Caldwell
TANKS &
TOWERS
OF
WOOD & STEEL
1924
W. E. Caldwell Co.
INCORPORATED
LOUISVILLE, KY.

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TERMS AND CONDITIONS

Prices are subject to change without notice.

Terms are net cash, 30 days from date of shipment, unless otherwise specified.

Where we erect either tanks or towers, final payment is due upon completion of the work.

If customers do the erecting, we require payment to be made in the time agreed upon, whether the erection has been completed or not.

Our responsibility for delivery ceases when we secure a signed bill of lading from the Transportation Company for goods received in good order.

Customers must look to the R. R. Co. for any loss due to delay in delivery or damage sustained in transit. We are always glad to file claims for them when desired.

Claims must be made within 15 days after receipt of the goods.

If goods are not as ordered, or will not go together properly, customer must notify us and we will promptly ship correct parts or authorize him to have trouble corrected.

No claims for repairs of any kind, or for the replacing of materials, will be allowed unless we authorize same.

All Galvanized Steel Tanks that we ship set up, are carefully tested to see that they are water-tight before being shipped, and purchasers are cautioned to examine such tanks thoroughly before accepting them from the Railway Company, as we cannot allow any charges for resoldering them, or repairing of any other kind.

Wood Tanks are shipped knocked down and well crated; when requested, we send suggestions explaining how erection should be done.

Receiving a tank or tower and setting it up, constitutes an acceptance of it.

We cannot accept the return of any goods, as all tanks, towers, etc., are made up especially for each order.

When goods are ordered without details being specified, we will furnish what we think is suitable, and at our regular prevailing prices.

All contracts for the completion of work in a specified time are subject to fires, strikes, delays of Transportation Companies, breakage of machinery, accidents or other causes beyond our control.

Caldwell TANKS AND TOWERS

1924

THIRTY-FIFTH ANNUAL EDITION

W. E. CALDWELL, President
W. E. CALDWELL, Jr., Vice-President — J. V. HALL, Treasurer
W. S. BRENTLINGER, Secretary — H. B. WINTERSMITH, Director

Established 1887 — Incorporated 1892

"WE'LL TREAT YOU RIGHT"

WE accord our customers the type of GOOD TREATMENT that makes every transaction mutually pleasant and profitable, as well as giving them the utmost in quality at a reasonable price.

We place a high value on the patronage of each customer and are not content to render merely average service, but cooperate with our customers in a manner that proves to them quite definitely our hearty desire to be their most satisfactory source of supply for Tanks and Towers.

We have unusual facilities for manufacturing all kinds of tanks and towers whether of wood, steel or iron, and both standard or to meet special requirements. Our plant consists of large and fully equipped Foundry, Machine, Structural and Plate Steel Shops as well as our Wood Tank Shop. We are particularly well equipped to supply industrial tanks with mechanical attachments as we manufacture also a complete line of machine-moulded pulleys, gears, bearings, shafting, etc., including the well-known Caldwell Friction Clutch.

We have not attempted to list all the different kinds of tanks and towers we manufacture, in the limited space of this catalogue, but only the standard types and to indicate a few of the others. We will be glad to quote you on anything in our line whether it is illustrated herein or not, or to give you expert advice in your engineering problems whether mechanical, structural, or hydraulic as we have a large and experienced engineering corps.

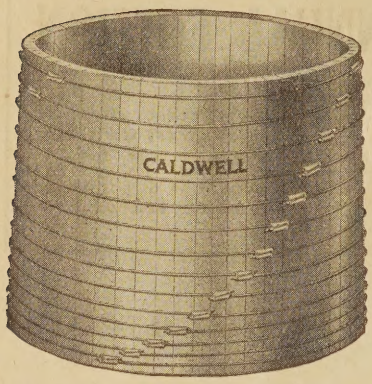
"The Tank with a Reputation"

Caldwell TANKS AND TOWERS

AVERY LIBRARY
COLUMBIA UNIVERSITY

STANDARD ROUND WOOD TANKS

See Prices on Pages 6, 7, 8, 9, and 10



In olden days wood tanks were made by hand now a very costly process. The service they gave depended largely on the knowledge, skill and care of the men who made them. Today, with modern manufacturing methods, it is still the "knowing how" the skill and the care used that determine whether you get a real tank or a wooden sieve. For over thirty years we have been applying these three factors in the selection of materials, design, construction and workmanship of our tanks. It is for this reason that a Caldwell tank is known everywhere as "The Tank with a reputation."

A round tank should always be used, wherever possible, in preference to other shapes. Its construction and bracing is much simpler and therefore it costs much less to make and erect. Also a wooden tank has certain advantages over other kinds. Wood costs less and requires less care than steel or other materials. It is used for a great many chemicals where metals would be unsuitable, and will last longer than steel for use with the corrosive water in certain localities. It will also give better protection from freezing and heat.

SIZES

We can make any size of tank you want, but, as a matter of economy, it is best to select from the sizes that are cut from standard lengths of lumber. The sizes which are most in demand are listed on pages 6, 7, 8, 9 and 10, and the standard sizes are printed in heavy type.

KIND OF WOOD

We have tried out a great many kinds of wood in tanks and have discarded all but Cypress, Fir, Long Leaf Yellow Pine and Poplar, as they are the best available woods and suit nearly all purposes. While these are the woods we regularly use in the manufacture of our tanks, we can, however, furnish other kinds when wanted The kind of wood should be selected to fit the purpose for which it is to be used and below we give the properties of each kind but will be glad to have our Research Department recommend the kind best suited for your particular purpose.

CYPRESS—Our specialty is Cypress and we were the first to use it, to any extent, in tanks. Our own experience and the records of railroad tanks show that woods which last well in their native climate do not always do well in other parts of the country. This is particularly true of Redwood and White Pine, while Cypress seems to be the wood least affected by adverse climates. It is easily the best general wood for tanks on account of it's great durability. It is the best for water, either hot or cold, as it does not swell or shrink as much as other woods. It resists the action of alkalis, many acids, and other chemicals better than other woods, and is therefore largely used in chemical and allied trades. Cypress gives off no color, taste or odor and on this account is especially suited for holding drinking water, cider, vinegar, fruit syrups, or other food products.

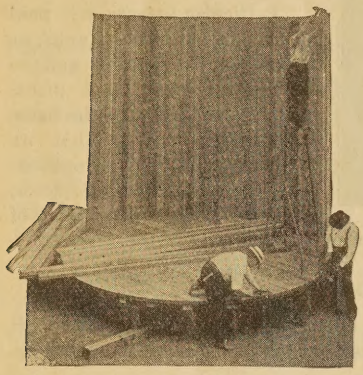
Caldwell TANKS AND TOWERS

STANDARD ROUND WOOD TANKS—Continued

FIR—Fir is coming into use as a substitute for cypress on account of it's lower cost and because it has, in lesser degree, many of the qualities of Cypress. This is true both with water and with chemicals. Fir, as well as Cypress, is accepted by the fire insurance bureaus for use in sprinkler tanks.

YELLOW PINE—Long Leaf Yellow Pine is used chiefly in industrial tanks of large size, which require greater thicknesses of material, such as paper mill tanks. It is also used for holding certain acids and chemicals, particularly sulphuric acid, and is often substituted for more expensive tank woods in water tanks, where a cheaper tank is wanted.

POPLAR—The chief use of poplar is for holding the alcohols on account of the dense grain of this wood, but for other purposes it is not as good as other woods.



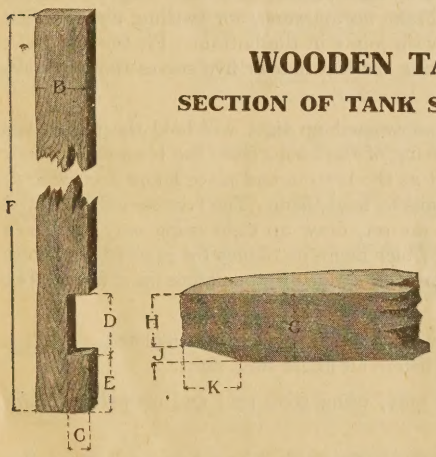
CONSTRUCTION

The bottom pieces are dressed, ripped, machine jointed and well doweled. The edges are chamfered for the croze or groove in the staves but left a little thicker to allow for possible shrinkage before erecting. A thin shaving must be taken off with a hand-plane in erecting to make a driving fit with the croze in the staves. The staves are dressed, ripped, and machine jointed and croze or groove cut to suit the circle of the bottom and the taper of the tank. (See cut of detail below).

The hoops, usually round, are wrought iron instead of steel so they will not rust as easily. The proper number and size are carefully calculated to give ample strength with a factor of safety of four to one. They are cut to the exact lengths necessary to suit the taper of the tank and are bent to the proper circle. The threads are machine cut, not rolled on, while the connecting lugs are of malleable instead of cast iron. The necessary nuts are furnished.

WOODEN TANK DETAILS

SECTION OF TANK STAVES AND BOTTOMS



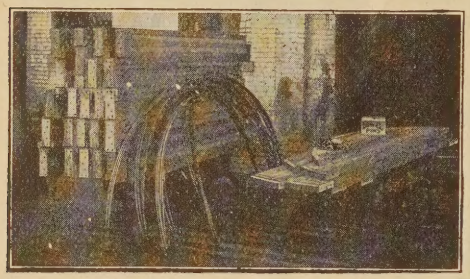
Showing Finished Measurements in Inches

Thickness in rough	1½″	2″	2½″	3″	4″	6″	8″
B—Finished thickness of staves	1⅜″	1¾″	2¼″	2¾″	3½″	5½″	7½″
C—Depth of croze	⅜″	½″	⅝″	⅝″	¾″	1″	1″
D—Width of croze	1⅛″	1⅝″	2″	2½″	3⅝″	5¾″	7⅜″
E—Length of chime	3⅝″	3⅝″	3½″	3½″	3⅝″	4⅝″	5⅛″
G—Finished thickness of bottom	1⅜″	1⅞″	2⅜″	2⅞″	3⅝″	5½″	7½″
H—Thickness of beveled edge	1½″	1²¹⁄₃₂″	2½″	2¹⁷⁄₃₂″	3¹³⁄₃₂″	5¹³⁄₃₂″	7¹³⁄₃₂″
J—Thickness of bevel	7⁄₃₂″	7⁄₃₂″	11⁄₃₂″	11⁄₃₂″	7⁄₃₂″	3⁄₃₂″	3⁄₃₂″
K—Length of bevel	1⅜″	1⅜″	1⅜″	1⅜″	1⅜″	1⅜″	1⅜″

STANDARD ROUND WOOD TANKS—Continued

MARKING

The bottom pieces of all tanks are marked and numbered, as are the hoops, but the staves are not, as they will go in anywhere they are placed, it only being necessary to fit the last stave. (See cut page 3). We always send a few inches extra in width so this can be done. A Blue Print plan is supplied showing how to space the hoops so that each will bear the strain it is calculated for and no more.



METHOD OF CRATING

Particular attention is paid to the crating of our Tanks, as shown in illustration, and to having all crates and pieces plainly stenciled with the name and destination, so that we have a minimum of complaints of broken crates or lost pieces, although a large percentage of our shipments is to points in New England, Canada and West of the Mississippi.

ERECTION

Be sure the foundation is strong and rigid enough for the load and will support the bottom only. The staves must have at least one half inch clearance on all sides.

Lay bottom according to marks and drive tightly together so joints are good the full length. Dress a thin shaving off the top edge of bottom to make a driving fit with the croze in staves. (See cut page 3).

Drive staves close onto bottom and up tight against each other edgewise taking care not to jar loose other staves. Make no allowance for swelling and see that joints in staves do not come in line with joints in the bottom. Fit the last stave exactly into the space left. By selecting the last four or five staves the last stave will need little fitting.

A rope thrown around the top and twisted up tight will hold the tank while putting on the hoops. Mark the spacing of the hoops from the blueprint on four or five staves around the tank. Start at the bottom and place hoops according to the marking, using staples or small nails to hold them. The lugs should be placed spirally around the tank. When all are set, draw up tight using only an 8 inch wrench for $\frac{5}{8}$ inch hoops, 10 inch for $\frac{3}{4}$ inch hoops or 15 inch for $\frac{7}{8}$ or 1 inch hoops. After hoops are on bring staves to an even surface by pounding on a wood block held against the staves.

The tank should be filled as soon as possible after it is completed. It often takes several days after tank is filled before all joints swell tight.

Paint tank two coats on outside only, using good lead and oil paint. Paint hoops one coat before erection.

CAUTION—Never put any caulking, paint or foreign substance in the joints and do not paint the tank on the inside.

Caldwell TANKS AND TOWERS

KEY TO PRICE LIST OF ROUND WOOD TANKS

Tell Us

Capacity in gallons, not in barrels; or state inside diameter and inside depth, or outside height, thickness and kind of lumber and intended purpose; also if a Cover (P. 18), Gauge (P.19), Tower (P. 27-37), or other articles, are wanted.

Taper

All Tanks are regularly built with a taper of one inch to the foot.

Capacities

Are based on straight staves, viz., Tanks without any taper. The capacity of tanks as regularly furnished is therefore somewhat less than the listed capacities.

Dimensions

Are given for inside measurements for both diameter and depth; for outside length of stave add for 1½ inch lumber 4½ inches; 2 inch, 5 inches; 2½ inch, 5½ inches and for 3 inch, 6 inches. This allows us 2 inches for squaring up the ends of the lumber, viz., 12 foot lumber will be finished up 11 feet 10 inches long, etc.

Standard Sizes

Tanks listed are the standard sizes that cut to best advantage from standard lengths of lumber, which comes in lengths of even feet. We can supply tanks of any other sizes that may be required.

Material

Is Cypress, Fir, Long Leaf Yellow Pine and Poplar. We can furnish other kinds if required.

When to Use Each

See Pages 2 and 3.

Thicknesses Used

Cypress is furnished in 1½, 2, 2½, 3 and 4 inch; Fir in 2, 2½, 3 and 4 inch; Poplar, in 2 inch only and in sizes not over 16 feet diameter or 15 feet 5 inches deep; Yellow Pine, in 2, 3, 4, 6, 8 and 10 inch.

Thicknesses Recommended

Cypress and Fir, 2 inch for tanks not over 14 feet 0 inch diameter and 13 feet 5 inches deep (although 1½ inches may be used for tanks under 8 feet 0 inch diameter by 7 feet 5 inches deep); 2½ inch for tanks 16 to 20 feet diameter inclusive and 3 inch for larger sizes. 2½ inch may be used for staves with 3 inch bottoms up to 24 feet diameter by 19 feet 4 inches deep.

Note.—The above is for ordinary purposes. Thicknesses must be increased for special purposes and for some uses 4 inch Cypress is required of which we carry a large stock.

Long Leaf Yellow Pine. Same as for Cypress except for chemical tanks which are usually 4, 6 and sometimes 8 inches thick.

Poplar. Same as for Cypress except that this wood is not used in any other thickness than 2 inch.

Discounts

Discounts and freight rates will be quoted on application; or we will name net delivered prices if size of tank is given.

Hoops and Lugs

Round hoops with lugs are standard and are furnished unless otherwise specified. Round hoop sections are not over 20 to 22 feet long and one lug is furnished for each section.

Galvanized Hoops and Lugs

These hoops and lugs either round or flat can be furnished galvanized at a slight additional cost.

Shipping Weights

Are the same for Cypress, Fir, White Pine, White Cedar and Poplar. Long Leaf Yellow Pine weighs about 40 per cent more than Cypress.

Method of Shipment

Tanks are never put together at the factory, but are got out from standard templets and shipped knocked down, and well crated. Enough staves are sent to allow for dressing off and fitting in the last one. Hoops are cut to lengths and a plan supplied showing how to space them. See Page 4.

Erection

We will quote prices erected where desired—state how high above ground tank will go and whether on trestle or a building.

Foundation Plans

We can furnish customer plans for building foundations for tank to suit any conditions. Standard plans for tank foundations on the ground furnished without extra cost.

Other Prices

Prices for Plain Round Tanks are listed on Pages 6, 7, 8, 9 and 10. Prices for other styles illustrated or any other kind wanted, will be quoted on application.

Caldwell TANKS AND TOWERS

LIST PRICES OF ROUND TANKS

Cypress and Yellow Pine

Prices for Fir and Poplar Quoted on Application. See description on Pages 2, 3 and 4 and Key to Price List on Page 5.

Number	Gallons	Inside Diameter Ft. In.	Inside Depth Ft. In.	Number of Hoops	Weights and List Prices on Wood Tanks					
					1½ In. Cypress		2 In. Cypress		2 In. Yellow Pine	
					Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville
1	127	3.0	2.5	3	157	$16.68	199	$21.69	266	$16.68
2	158	"	3.0	3	173	18.57	221	24.14	300	18.57
3	180	"	3.5	4	199	21.06	251	27.38	341	21.06
4	174	3.6	2.5	3	182	19.62	234	25.50	336	19.62
5	216	"	3.0	3	202	21.87	260	28.43	364	21.87
6	246	"	3.5	4	231	24.72	295	32.13	399	24.72
7	226	4.0	2.5	3	214	22.05	274	28.67	376	22.05
8	281	"	3.0	3	236	24.51	304	31.86	420	24.51
9	321	"	3.5	4	268	27.69	344	36.00	470	27.69
10	413	"	4.5	4	312	32.64	404	42.44	564	32.64
11	288	4.6	2.5	3	244	25.35	314	32.96	457	25.35
12	357	"	3.0	3	268	27.99	346	36.39	491	27.99
13	407	"	3.5	4	306	31.56	392	41.03	533	31.56
14	526	"	4.5	4	356	36.99	458	48.09	642	36.99
15	501	5.0	3.5	4	345	34.29	443	44.58	602	34.29
16	587	"	4.0	4	373	37.11	479	48.24	661	37.11
17	648	"	4.5	4	407	40.35	521	52.46	718	40.35
18	794	"	5.5	5	474	46.98	608	61.08	800	46.98
19	317	6.0	1.5	2	279	26.52	357	34.47	475	26.52
20	422	"	2.0	3	327	30.90	417	40.17	556	30.90
21	527	"	2.5	3	359	34.20	461	44.46	611	34.20
22	720	"	3.5	4	440	41.73	562	54.26	752	41.73
23	845	"	4.0	4	472	45.03	606	58.55	814	45.03
24	934	"	4.5	4	514	48.81	658	63.45	883	48.81
25	1145	"	5.5	5	602	56.88	768	73.95	1018	56.88
26	1356	"	6.5	6	684	64.56	872	83.93	1162	64.56
27	1567	"	7.5	7	770	72.51	980	94.26	1284	72.51
28	1778	"	8.5	7	836	79.11	1068	102.84	1427	79.11
29	1989	"	9.5	8			1176	113.25	1585	87.12
30	1096	6.6	4.5	4	563	53.46	721	69.50	964	53.46
31	1344	"	5.5	5	657	62.16	839	80.81	1122	62.16
32	*1592	"	6.5	6	742	70.35	950	91.46	1277	70.35
33	1840	"	7.5	7	839	79.08	1069	102.81	1411	79.08
34	2088	"	8.5	7	909	86.13	1163	111.98	1568	86.13
35	2336	"	9.5	8			1381	123.29	1729	94.83
36	1271	7.0	4.5	4	616	58.59	790	76.17	1059	58.59
37	1659	"	5.5	5	717	67.86	917	88.22	1219	67.86
38	1847	"	6.5	6	819	77.10	1042	100.23	1384	77.10
39	2135	"	7.5	7	912	85.95	1162	111.74	1508	85.95
40	2423	"	8.5	7	997	94.02	1271	122.22	1690	94.02
41	2711	"	9.5	8			1404	134.90	1873	103.77
42	1790	7.6	5.5	5	775	73.50	991	95.55	1330	73.50
43	2120	"	6.5	6	884	83.34	1128	108.35	1491	83.34
44	2450	"	7.5	7	985	92.73	1255	120.56	1660	92.73

Sizes printed in black type are the standard sizes for the capacity mentioned.
*Sizes marked with a star preceding are the standard sizes used with our towers. See page 27.

Write for discounts and freight rates or state size of tank wanted, and we will quote net delivered prices.

LIST PRICES OF ROUND TANKS

Cypress and Yellow Pine

Prices for Fir and Popular Quoted on Application. See description on Pages 2, 3 and 4 and Key to Price List on Page 5.

Number	Gallons	Inside Diameter	Inside Depth	Number of Hoops	Weight and List Prices on Wood Tanks					
					1½" Cypress		2" Cypress		2" Yellow Pine	
					Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville
		Ft. In.	Ft. In.							
45	2780	7.6	8.5	7	1073	$101.34	1371	$131.75	1838	$101.34
46	3110	"	9.5	8			1513	145.28	2018	111.75
47	563	8.0	1.5	2	423	40.35	545	52.46	735	40.35
48	751	"	2.0	3	477	45.42	613	59.04	820	45.42
49	939	"	2.5	3	519	49.62	669	64.50	916	49.62
50	1294	"	3.5	4	635	60.27	815	78.35	1110	60.27
51	1656	"	4.5	4	730	69.45	938	90.29	1240	69.45
52	2031	"	5.5	5	846	79.92	1082	103.89	1453	79.92
53	2406	"	6.5	6	951	89.94	1217	116.93	1618	89.94
54	*2781	"	7.5	7	1067	100.44	1361	130.58	1802	100.44
55	3156	"	8.5	7	1168	109.95	1490	142.94	1990	109.95
56	3531	"	9.5	8			1669	159.71	2195	122.85
57	4281	"	11.5	10			1971	188.30	2542	144.84
58	2299	8.6	5.5	5	909	85.92	1163	111.69	1576	85.92
59	2723	"	6.5	6	1022	96.45	1306	125.39	1744	96.45
60	3148	"	7.5	7	1143	107.64	1459	139.94	1921	107.64
61	3572	"	8.5	7	1251	117.84	1597	153.20	2137	117.84
62	3696	"	9.5	8			1784	170.58	2335	131.22
63	4844	"	11.5	10			2106	201.05	2713	154.65
64	2577	9.0	5.5	5	1037	92.88	1259	120.75	1670	92.88
65	3053	"	6.5	6	1116	104.61	1420	135.99	1838	104.61
66	3529	"	7.5	7	1244	116.34	1580	151.25	2059	116.34
67	4004	"	8.5	7	1357	127.20	1727	165.36	2256	127.20

Number	Gallons	Inside Diameter	Inside Depth	Number of Hoops	Weight and List Prices on Wood Tanks			
					2" Cypress		2" Yellow Pine	
					Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Prices f. o. b. Louisville
		Ft. In.	Ft. In.					
68	4479	"	9.5	8	1865	$182.06	2485	$140.04
69	5429	"	11.5	10	2242	213.96	2877	164.58
70	881	10.0	1.5	2	758	72.93	1023	56.10
71	1175	"	2.0	3	862	82.76	1122	63.66
72	1468	"	2.5	3	934	89.78	1257	69.06
73	2006	"	3.5	4	1113	106.67	1488	82.05
74	2592	"	4.5	4	1255	120.51	1694	92.70
75	3182	"	5.5	5	1450	138.96	1928	106.89
76	3770	"	6.5	6	1631	156.05	2136	120.03
77	4357	"	7.5	7	1809	172.85	2386	132.96
78	4945	"	8.5	7	1969	188.30	2638	144.84
79	*5532	"	9.5	8	2165	206.70	2927	159.00
80	6706	"	11.5	10	2539	241.95	3405	186.12
81	7880	"	13.5	11	2897	275.93	3973	212.25
82	6100	10.6	9.5	8	2290	218.55	3058	168.12
83	1269	12.0	1.5	2	1004	96.84	1365	74.49
84	1692	"	2.0	3	1133	108.96	1518	83.82
85	2115	"	2.5	3	1217	117.15	1636	90.12

Sizes printed in black type are the standard sizes for the capacity mentioned.

*Sizes marked with a star preceding are the standard sizes used with our towers. See page 27.

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LIST PRICES OF ROUND TANKS

Cypress and Yellow Pine

Prices for Fir, and Poplar Quoted on Application.
See Description on pages 2, 3 and 4 and Key to Price List on Page 5.

No.	Gallons	Inside Diameter	Inside Depth	Number of Hoops	2-Inch Cypress		2-Inch Yellow Pine	
					Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville
86	2891	12′—0″	3′—5″	4	1431	$137.48	1888	$105.75
87	3737	"	4′—5″	4	1623	156.00	2159	120.00
88	4582	"	5′—5″	5	1837	176.36	2446	135.66
89	5428	"	6′—5″	6	2050	196.68	2733	151.29
90	6274	"	7′—5″	7	2284	218.87	3040	168.36
91	**7110**	"	**8′—5″**	**7**	**2479**	**237.44**	**3291**	**182.64**
92	**7956**	"	**9′—5″**	**8**	**2715**	**259.67**	**3543**	**199.74**
93	9658	"	11′—5″	10	3164	302.18	4197	232.44
94	11350	"	13′—5″	12	3637	346.79	4625	266.76
95	13042	"	15′—5″	14	4150	395.11	5301	303.93
96	7726	12′—6″	8′—5″	7	2602	249.17	3506	191.67
97	**8644**	"	**9′—5″**	**8**	**2844**	**272.37**	**3788**	**209.52**
98	***10481**	"	**11′—5″**	**10**	**3316**	**316.64**	**4461**	**243.57**
99	**12317**	"	**13′—5″**	**10**	**3717**	**362.90**	**4876**	**279.15**
100	14153	"	15′—5″	14	4345	413.16	5738	317.82

NOTE—Previous prices are for 1½ and 2-inch Tanks, but the following sizes are priced in 2, 2½ and 3 inch. We advise 2½ or 3 inch for tanks 14 feet diameter to 20 feet inclusive, and 3 inch for larger sizes.

See Key to Price List on Page 5.

No.	Gallons	Bottom Diameter	Inside Depth	Number Hoops		2-Inch		2½-Inch		3-Inch	
						Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville
103	8540	14′—0″	7′—5″	7	Cyp.	2766	$264.69	3728	$365.67	4392	$431.85
					Y.P.	3654	203.61	4837	281.28	5732	332.19
104	9691	"	8′—5″	7	Cyp.	2990	286.22	4031	395.51	4270	467.27
					Y.P.	3953	220.17	5232	304.23	6192	359.43
105	10843	"	9′—5″	8	Cyp.	3264	311.93	4386	429.71	5162	507.05
					Y.P.	4299	239.94	5680	330.54	6715	390.03
106	13146	"	11′—5″	10	Cyp.	3835	365.39	5123	500.13	6005	588.47
					Y.P.	5020	281.07	6598	384.72	7780	452.67
107	***15449**	"	**13′—5″**	**12**	**Cyp.**	**4382**	**416.84**	**5825**	**568.35**	**6822**	**667.68**
					Y.P.	**5714**	**320.64**	**7490**	**437.19**	**8819**	**513.60**
108	17752	"	15′—5″	14	Cyp.	5038	478.10	6643	646.58	7752	757.14
					Y.P.	6517	367.77	8493	497.37	9972	582.42
113	11155	16′—0″	7′—5″	7	Cyp.	3308	316.14	4456	436.65	5250	515.82
					Y.P.	4670	243.18	5781	335.88	6840	396.78
114	12659	"	8′—5″	7	Cyp.	3561	340.40	4802	470.69	5639	556.14
					Y.P.	4707	261.84	6233	362.07	7376	427.80
115	14163	"	9′—5″	8	Cyp.	3872	369.60	5204	509.42	6125	601.19
					Y.P.	5102	284.31	6741	391.86	7968	462.45
116	17171	"	11′—5″	10	Cyp.	4578	435.05	6093	594.09	7141	698.57
					Y.P.	5976	334.65	7840	456.99	9838	537.36
117	***20179**	"	**13′—5″**	**12**	**Cyp.**	**5319**	**503.81**	**7018**	**682.19**	**8193**	**799.26**
					Y.P.	**6885**	**387.54**	**8977**	**524.76**	**10543**	**614.82**
118	23187	"	15′—5″	14	Cyp.	6062	572.72	7941	770.01	9244	899.88
					Y.P.	8299	440.55	10111	592.32	11848	692.22
119	***26195**	"	**17′—5″**	**17**	**Cyp.**	.....	.....	**8891**	**899.58**	**10320**	**1049.88**
					Y.P.	.....	.....	**11272**	**691.98**	**13177**	**807.60**
120	29203	"	19′—5″	20	Cyp.	.....	.....	10774	1043.72	11464	1216.26
					Y.P.	.....	.....	12502	802.86	14575	935.58

Sizes printed in black type are the standard sizes for the capacity mentioned.

*Sizes marked with a star preceding are the standard sizes used with our towers. See page 27.

Write for discounts and freight rates or state size of tank wanted, and we will quote net delivered prices.

Caldwell TANKS AND TOWERS

LIST PRICES OF ROUND TANKS

Cypress and Yellow Pine

Prices for Fir and Poplar Quoted on Application. See Description on Pages 2, 3 and 4 and Key to Price List on Page 5.

No.	Gallons	Bottom Diameter	Inside Depth	Number of Hoops		2½ Inch		3 Inch	
						Shipping Weight Lbs.	Price f. o. b. Louisville	Shipping Weight Lbs.	Price f. o. b. Louisville
121	15988	17′—0″	9′—4″	8	Cyp.	5706	568.62	6705	670.22
					Y.P.	7369	437.40	8701	515.55
122	19384	"	11′—4″	10	Cyp.	6652	658.95	7784	774.08
					Y.P.	8539	506.88	10048	595.44
123	22639	"	13′—4″	12	Cyp.	7601	749.39	8868	878.09
					Y.P.	9712	576.45	11401	675.45
124	26035	"	15′—4″	14	Cyp.	8554	881.33	9958	984.51
					Y.P.	10889	677.94	12761	757.32
125	29431	"	17′—4″	17	Cyp.	9615	982.14	11152	1145.75
					Y.P.	12174	755.49	14223	881.34
126	18924	18′—0″	9′—4″	8	Cyp.	6226	621.23	7301	730.91
					Y.P.	8019	477.87	9453	562.23
127	21730	"	11′—4″	10	Cyp.	7201	714.83	8420	838.89
					Y.P.	9231	549.87	10857	645.30
128	25378	"	13′—4″	12	Cyp.	8211	811.47	9572	949.70
					Y.P.	10478	624.21	12293	730.53
129	***29184**	"	**15′—4″**	**15**	**Cyp.**	**9299**	**916.62**	**10800**	**1068.72**
					Y.P.	**11804**	**705.09**	**13805**	**822.09**
130	***32990**	"	**17′—4″**	**18**	**Cyp.**	**10426**	**1065.99**	**12071**	**1241.33**
					Y.P.	**13168**	**819.99**	**15361**	**954.87**
131	***36796**	"	**19′—4″**	**21**	**Cyp.**	**11707**	**1239.57**	**13719**	**1465.43**
					Y.P.	**14686**	**953.52**	**17368**	**1127.25**
132	34252	19′—6″	15′—4″	15	Cyp.	10225	1021.65	11883	1192.86
					Y.P.	13069	785.88	15286	917.58
133	**38726**	"	**17′—4″**	**18**	**Cyp.**	**11119**	**1193.33**	**13360**	**1389.62**
					Y.P.	**14696**	**917.94**	**17117**	**1068.93**
134	***43200**	"	**19′—4″**	**21**	**Cyp.**	**12864**	**1375.07**	**14833**	**1598.61**
					Y.P.	**16106**	**1057.74**	**18731**	**1229.70**
135	22130	20′—0″	9′—4″	8	Cyp.	7208	734.81	8447	864.59
					Y.P.	9273	565.23	10926	665.07
136	26830	"	11′—4″	10	Cyp.	8288	838.31	9686	983.82
					Y.P.	10617	644.85	12480	756.78
137	31334	"	13′—4″	13	Cyp.	9476	950.97	11031	1112.16
					Y.P.	12068	731.52	14141	855.51
138	36035	"	15′—4″	16	Cyp.	10701	1066.70	12415	1243.79
					Y.P.	13555	820.53	15841	956.76
139	40725	"	17′—4″	19	Cyp.	12118	1247.69	13988	1450.10
					Y.P.	15236	959.76	17629	1115.46
140	45435	"	19′—4″	22	Cyp.	13489	1435.71	15516	1665.81
					Y.P.	16870	1104.39	19573	1281.39
141	26777	22′—0″	9′—4″	9	Cyp.			9685	1014.90
					Y.P.	.....	.....	12508	780.69
142	32464	"	11′—4″	11	Cyp.	.....	.....	11084	1148.94
					Y.P.	.....	.....	14254	883 80
143	37914	"	13′—4″	14	Cyp.	.....	.....	12597	1292.70
					Y.P.	.....	.....	16314	994.38
144	**43601**	"	**15′—4″**	**17**	**Cyp.**	.....	.....	**14270**	**1449.56**
					Y.P.	.....	.....	**18134**	**1115.04**

Sizes printed in black type are the standard sizes for the capacity mentioned.

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Caldwell TANKS AND TOWERS

LIST PRICES OF ROUND TANKS

Cypress and Yellow Pine

Prices for Fir Quoted on Application.
The following sizes of tanks are seldom built of less than 3 inch thickness.
See Description on Pages 2, 3 and 4 and Key to Price List on Page 5.

Number	Gallons	Inside Diameter Ft. In.	Inside Depth Ft. In.	No. of Hoops	3-inch Cypress Shipping Weight Lbs.	3-inch Cypress Price f. o. b. Louisville	3-inch Yellow Pine Shipping Weight Lbs.	3-inch Yellow Pine Price f. o. b. Louisville
145	***49289**	**22′—0″**	**17′—4″**	**20**	**15942**	**1,670.91**	**20152**	**1,285.32**
146	**54976**	"	**19′—4″**	**24**	**17780**	**1,921.10**	**22337**	**1,477.77**
147	60663	"	21′—4″	27	19453	2,171.76	24357	1,670.58
148	45121	24′—0″	13′—4″	15	14330	1,500.14	18271	1,153.95
149	**51889**	"	**15′—4″**	**18**	**16132**	**1,672.28**	**20481**	**1,286.37**
150	58657	"	17′—4″	21	17993	1,915.14	22690	1,473.18
151	***65426**	"	**19′—4″**	**25**	**20057**	**2,193.48**	**25132**	**1,687.29**
152	72194	"	21′—4″	29	22121	2,487.50	27574	1,913.46
153	***78962**	"	**23′—4″**	**33**	**24484**	**2,823.68**	**30315**	**2,172.06**
154	92761	26′—0″	23′—4″	34	27319	3,169.38	33151	2,437.98
155	70627	28′—0″	15′—4″	20	20249	2,159.87	25415	1,661.43
156	***79840**	"	**17′—4″**	**23**	**22753**	**2,457.24**	**28346**	**1,819.18**
157	89052	"	19′—4″	27	24956	2,777.43	30973	2,136.48
158	98264	"	21′—4″	31	27768	3,153.08	34209	2,425.44
159	***107476**	"	**23′—4″**	**35**	**28461**	**3,535.31**	**37329**	**2,719.47**
160	81077	30′—0″	15′—4″	20	22261	2,440.77	28056	1,877.52
161	91653	"	17′—4″	24	24828	2,833.70	31094	2,179.77
162	**102228**	"	**19′—4″**	**28**	**27828**	**3,158.30**	**34566**	**2,429.46**
163	112803	"	21′—4″	32	30634	3,538.71	37843	2,722.08
164	**123379**	"	**23′—4**	**37**	**33656**	**3,963.45**	**41336**	**3,048.81**

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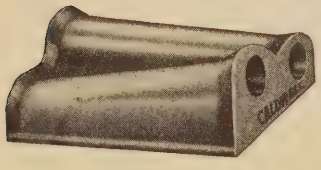
TANK HOOPS AND LUGS



MALLEABLE IRON ROUND LUGS

	Each
½ inch	$0.36
⅝ inch	.48
¾ inch	.60
⅞ inch	.72
1 inch	.96
1⅛ inch	1.20

CALDWELL PATENT FLAT HOOP LUG

PRICE LIST OF TECKTONIUS AND CALDWELL PATENT LUGS

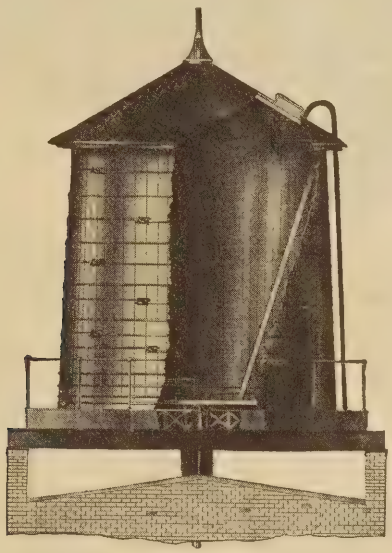
	Each		Each
1½ inch Lugs	$0.72	3½ inch Lugs	$2.70
2 inch Lugs	1.08	4 inch Lugs	3.60
2½ inch Lugs	1.44	5 inch Lugs	5.40
3 inch Lugs	1.80	6 inch Lugs	6.30

WROUGHT IRON TANK HOOPS—Round or Flat—Prices on application.

GRAVITY TANK ON BUILDING TO SUIT INSURANCE REQUIREMENTS

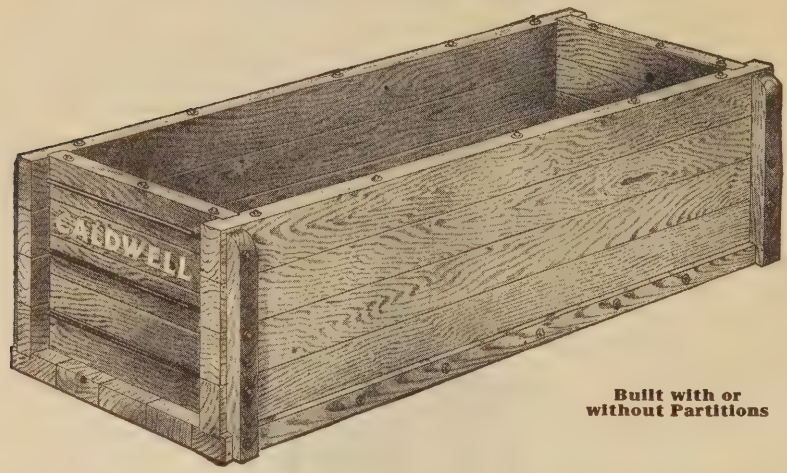
These prices are for tanks built to suit the requirements of either the Factory Mutual Insurance Companies or any of the Stock Companies. Such tanks are required to be built of a certain size for a given capacity and to be provided with round iron (not steel) hoops of a specified number and size. They must be constructed of 2½ inch material if of 20,000 gallons or less, and of 3 inch for larger sizes.

If furnished complete, the tanks must be provided with a Conical Roof, covered with Shingles, Rubberoid or Metal, and an Inside Flat Cover for frost proofing, together with an indicator or Tank Register, an Inside Wooden Ladder, and an Outside Iron Ladder extending three feet above the tank with ends curved over. See page 32 for Factory Mutual Towers.



Gallons	Diameter Inside	Inside Depth	No. Round Hoops	Shipping Weight	Price Complete Tank Only	Same Tank with Standard Conical Cover, Rubberoid Roofing, Flat Cover, Ladders and Indicator		Price Complete
						Gallons	Shipping Wt., Lbs.	
	Ft. In.	Ft. In.		Lbs.				
5,000	10.0	9.4	7	3,230	$ 302.13	5,000	4,067	$ 391.27
7,500	12.6	9.4	8	4,288	382.44	7,500	5,662	493.84
10,000	12.6	13.4	13	5,739	511.14	10,000	7,147	631.01
12,000	14.0	11.4	10	5,797	516.21	12,000	7,574	653.49
15,000	14.0	15.4	14	7,466	664.44	15,000	9,277	811.05
18,000	16.0	13.4	13	7,848	697.35	18,000	9,927	867.56
20,000	16.0	15.4	16	8,897	789.78	20,000	10,993	966.84
25,000	16.0	17.4	19	11,566	1128.69	25,000	13,679	1308.23
30,000	18.0	17.4	20	13,478	1267.98	30,000	16,116	1475.69
35,000	18.0	19.4	24	15,233	1565.37	35,000	17,888	1779.05
40,000	19.6	19.4	24	17,048	1674.96	40,000	20,184	1915.97
50,000	22.0	19.4	23	19,819	1964.13	50,000	23,638	2260.55
60,000	24.0	19.4	26	22,561	2262.12	60,000	26,970	2625.74
75,000	24.0	23.4	33	27,482	2910.18	75,000	31,925	3282.26
99,000	30.0	19.4	30	31,345	3419.88	99,000	38,958	4047.53
100,000	28.0	23.4	38	33,998	3647.91	100,000	40,121	4165.34

RECTANGULAR WOODEN TANKS



Built with or without Partitions

In the construction of Rectangular Tanks, a greater amount of mechanical knowledge and experience is necessary than in Round Tanks and there is no standard practice that is readily accessible to the uninformed, as with Round Tanks, so that besides ourselves, there are practically only one or two other concerns that attempt to build this kind of a tank.

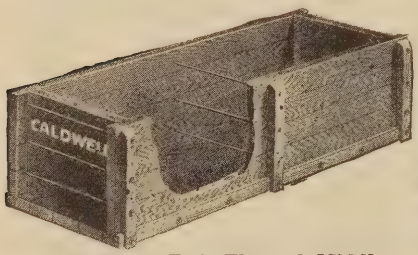
We can furnish this style of tank with or without partitions, false bottoms, etc., or with lead, copper or other lining when required. We can furnish brass, copper, bronze, galvanized, lead covered or Monel Metal rods instead of iron and, when required, we counter-sink the nuts on top and cover with a hardwood coping.

SIZES

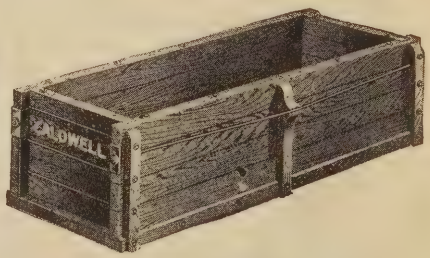
There are so many possible sizes of rectangular tanks that we do not attempt to list them and will quote, on application, prices for any size you wish. Standard lengths of lumber are in even feet and will make rectangular tanks of about one foot less length, so for economy, the odd feet or slightly less should be selected for the length of the tank and the other dimensions to give the required capacity.

KIND OF WOOD

For the kind of wood to use see page 2 under Round Wood Tanks.



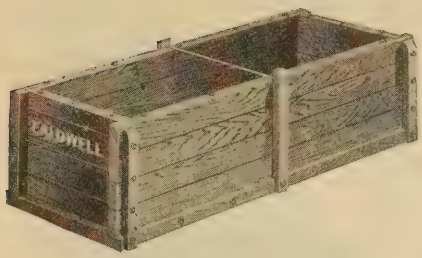
Tank with Rods Through Middle.



Tank with Outside Bracing Instead of Rods Through Middle

Caldwell TANKS AND TOWERS

RECTANGULAR WOODEN TANKS—Continued



Tank with Rod Over Top

Sink or Washing Vat

CONSTRUCTION

We have been building this style of tank for a great many years and were the first to adopt a standard method of construction which we have reason to believe, from long experience, is about the best possible method.

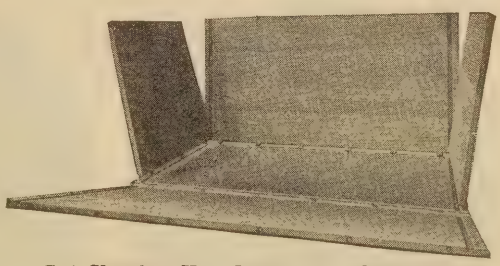
The bottom is crozed (or grooved) to receive the sides and ends and the sides are crozed to receive the ends. This gives a water tight wedged joint even without the pressure of the rods which are used to draw all parts tightly together.

The rodding is thorough and the sizes and spacings are carefully figured out by our engineering department to give a full factor of safety of 4 to 1 with the liquid used so that no bursting is possible.

When the length exceeds certain proportions the sides are braced against bulging. The simplest and best method is by rods through the center of the tank and is used where their presence is not an objection; otherwise, by battens in the center with a rod passing over the top and another through the bottom of the tank. Another method is to truss the sides on the outside by iron rods, or by a wood truss if the iron is objectionable. See illustrations on this and previous page.

SHIPPING AND ERECTION

In shipping Rectangular Tanks the sides, ends, and bottoms are each put together and shipped in one section. All holes for rods are bored and rods put in place with blocks on the ends of the thickness of the part they have to pass through. Customer in receiving Tank has only to take off blocks and nuts and after dressing off a thin shaving on side and ends, which takes only a few minutes, let them down into the groove in the bottom, place the battens in position, put the washers and nuts back in place, and then draw the rods up. The sides and ends are left the least bit thicker than the groove in bottom to allow for shrinkage in transit, and to permit of an exact fit in erecting.



Cut Showing How Rectangular Tanks Are Manufactured Ready to Go Together

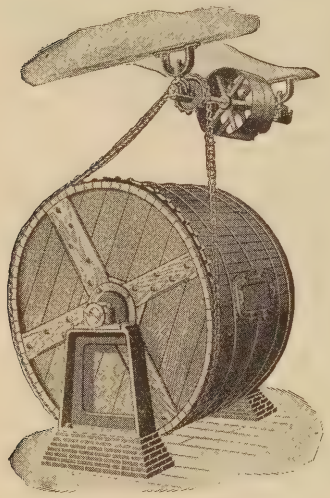
TANNERS' TANKS

While the Tanning Trade uses a great variety of tanks, including Lime Vats, Leach Tubs, Paddle Wheels, Drums, etc., we illustrate only the two latter types, as they represent what is special work in this line, the others being plain round or rectangular tanks.

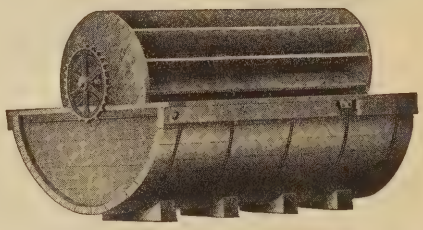
Tanners were among the first to discover the superiority of Cypress for tank work, and we can refer to many that have had Cypress tanks in use for fifteen to twenty years, which are still in good condition.

The Drum illustrated does not represent the only type we build, but the one principally used. We can furnish any other style wanted, and we construct these with or without doors, shelves and pins. As we have extensive foundry and machine-shop facilities, we are well prepared to supply anything in the way of gudgeons or bearings, and also gearing or sprockets or pulley to drive them, together with the necessary belting, link-belt, shafting, etc.

Ask for prices and references.



Drum with Drive

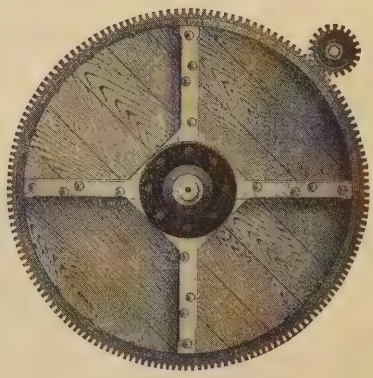


Round End Vat with Paddle Wheel

Plate Gudgeons

Pillow Block or Babbitted Bearing

Internal Gear Drive



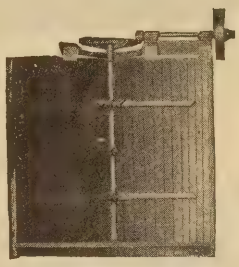
External Gear Drive

INDUSTRIAL TANKS

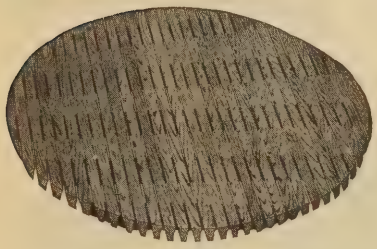
A few other kinds of tanks are illustrated on this and the next page, besides those shown on the preceding pages. We do not attempt to supply a description or price list, as space does not permit. Prompt attention, however, will be given any request for prices or other information.

Heavy Yellow Pine Acid Tank

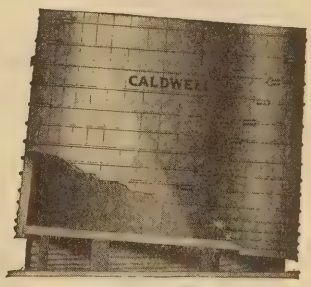
PAPER MILL TANKS



Stuff Chest and Agitator. Also furnished in horizontal types

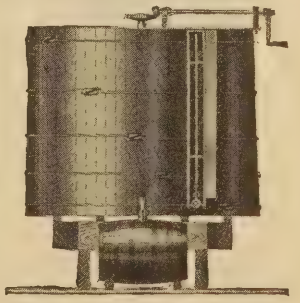


Slotted False Bottom Made in other Types



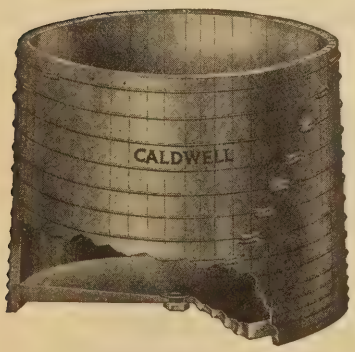
Tank with Sloping dunnage

HAND MIXING TANK



Mixing Tank with Hand Stirring Device and a Glass Gauge to show depth of liquid inside tank.

Gauge is enclosed in box with door.



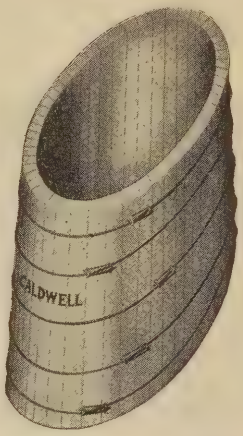
Dished Bottom Tank

OTHER KINDS OF TANKS

HALF-ROUND TANKS

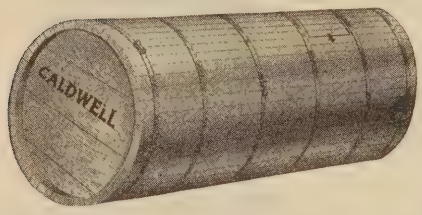
Furnished in any size wanted. State inside dimensions in asking for prices.

ELLIPTICAL TANKS



Furnished in any size. State inside dimensions in asking for prices. Note the short diameter should always be at least a little bit more than half the long diameter or the sides will be too flat for the hoops to hold the tank together.

ROUND WAGON TANKS

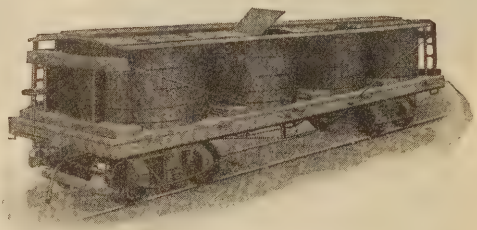


In asking for prices, be careful to give the outside diameter and length that can be used.

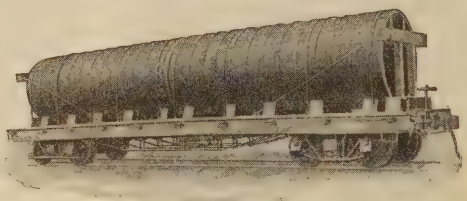
VINEGAR GENERATOR

Furnished complete as shown or Tank only

CAR TANKS

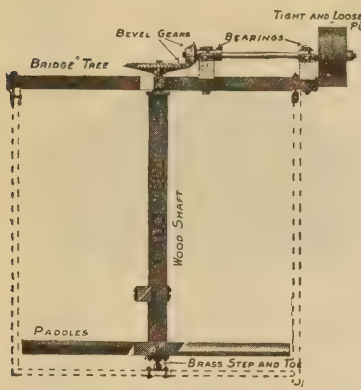


Used for shipping mixed Carloads



Caldwell TANKS AND TOWERS

TANK AGITATORS OR STIRRING DEVICES



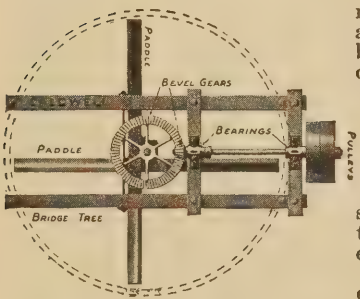
Our agitators are thoroughly and substantially made and are designed for mixing, stirring and holding in suspension all sorts of solutions and mixtures including dense and plastic materials.

The standard sizes have dimensions of the machinery and other parts proportioned to the diameters and depths of tanks they are used in, assuring the proper strength for all ordinary purposes. For heavy service we make special designs to suit.

We make these agitators to fit wood or steel tanks.

Our standard design consists of steel shafts and winged stirrer arms, heavy cast iron gears, step and toe bearings, anchors and bolts with longleaf yellow pine millwright timbers across the top of the tank; all framed and finished with all holes bored and bearings set all ready to attach to the tank which any ordinary workman can do even without the blueprints we furnish.

Where the substance to be stirred will injure the ironwork, or be injured by it, we make the vertical shaft and winged stirrer arms of wood and the step and toe bearing, bolts, nuts and washers of brass, bronze, duiron or other acid resisting metal.



The standard drive is by tight and loose pulleys which we furnish in standard sizes unless otherwise specified.

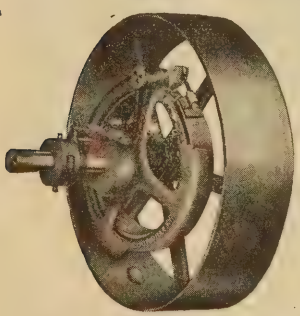
Sprockets or gears may be used or the Caldwell Friction Clutch attached to a single pulley for easy starting and stopping. This clutch is simple in construction, having only one adjustment, and is especially suitable for this purpose.

The speed of the agitators should never exceed 1,000 feet per minute at the ends of the stirring arms but in most cases about one half this speed is ample.

We manufacture all parts of our agitators in our own fully equipped machine, millwright, structural and plate shops, iron and brass foundries.

We manufacture also a complete line of power transmission machinery including shafting, gearing, pulleys, bearings, hangers, etc., and the Caldwell Friction Clutch. Write for our Friction Clutch and Power Transmission Catalogs.

CALDWELL FRICTION CLUTCHES



We have been manufacturing this clutch for a number of years and believe it excels any other on the market. It is made in capacities from 1 to 240 horse power.

Its notable features are its simplicity, strength, ease and perfection of adjustment and freedom from breakage.

The basic principle is identical with that of the standard automobile service brake; a flexible band lined with asbestos and tightened with a single lever. In practice it has given equal service with that much used and abused device.

There are only eleven parts.

There is only one adjustment. One screw shortens or lengthens the band which gives equal pressure everywhere around the entire circumference of the friction band.

COVERS FOR ROUND WOOD TANKS

Standard Conical Cover.
Furnished with Rubberoid Roofing, Cypress Shingles or Tin.

Conical Cover.
Arranged for Frost Protection with Inside Flat Cover Supported by Joists.

PRICES FOR CONICAL COVERS

Cover for Tank	With Rubberoid Roofing		With Shingles		With Rubberoid Roofing and Flat Cover		With Cypress Shingles and Flat Cover		Plain Flat Cover	
Diameter	Wt. lbs.	Price	Wt. lbs.	Price	Wt. lbs.	Price	Wt. lbs.	Price	Wt. lbs.	Price
5 ft. 0 in.	195	$ 20.67	342	$ 21.45	301	$ 26.16	449	$ 26.91	106	$ 5.49
6 ft. 0 in.	217	22.95	380	23.85	335	29.01	498	29.91	118	6.06
8 ft. 0 in.	327	34.38	540	35.52	482	42.33	695	43.47	155	7.95
10 ft. 0 in.	485	45.45	750	46.89	734	61.29	999	62.73	249	15.84
12 ft. 6 in.	832	62.10	1175	64.02	1271	83.55	1614	86.55	439	21.45
14 ft. 0 in.	1117	74.91	1500	77.07	1657	103.44	2040	105.60	540	28.53
16 ft. 0 in.	1249	98.31	1810	101.46	1942	133.89	2503	137.04	693	35.58
18 ft. 0 in.	1612	118.17	2300	121.98	2467	162.06	3135	165.87	855	43.89
19 ft. 6 in.	1926	136.95	2625	140.91	2948	189.39	3647	193.35	1022	52.44
22 ft. 0 in.	2161	176.88	3200	182.64	3631	244.80	4670	250.56	1470	67.92
24 ft. 0 in.	2491	232.08	4040	240.45	4221	312.00	5770	320.37	1730	79.92
26 ft. 0 in.	2991	288.06	5050	298.89	4864	374.58	6923	385.44	1873	86.52
28 ft. 0 in.	3716	356.40	6350	370.11	5901	457.35	8535	471.06	2185	100.95
30 ft. 0 in.	4750	452.13	8100	469.41	7425	576.03	10775	593.31	2675	123.90

Intermediate sizes take next higher list.

TANK LADDERS

Inside Wood Ladders and Outside Iron Ladders are a great convenience on any Tank. Prices on Outside Iron Ladders include ladder curves for Tanks with Conical Covers or a 3 foot extension above for Tank without Conical Cover. Prices of Towers include Outside Iron Ladders.

Depth of Tank	Inside Wood Ladder		Outside Iron Ladder		Depth of Tank	Inside Wood Ladder		Outside Iron Ladder	
	Wt. lbs.	Price	Wt. lbs.	Price		Wt. lbs.	Price	Wt. lbs.	Price
5 ft. 5 in.	24	$ 1.34	45	$10.13	17 ft. 5 in.	72	$ 3.96	99	$22.28
6 ft. 5 in.	28	1.56	50	11.25	19 ft. 5 in.	80	4.40	108	24.30
7 ft. 5 in.	32	1.76	54	12.15	21 ft. 5 in.	88	4.80	117	26.33
8 ft. 5 in.	36	1.98	59	13.28	23 ft. 5 in.	96	5.27	126	28.35
9 ft. 5 in.	40	2.21	63	14.18	25 ft. 5 in.	104	5.72	135	30.38
11 ft. 5 in.	48	2.64	72	16.20	27 ft. 5 in.	112	6.15	144	32.40
13 ft. 5 in.	56	3.09	81	18.23	29 ft. 5 in.	120	6.60	153	34.43
15 ft. 5 in.	64	3.51	90	20.25					

TANK GAUGES

Mercury Tank Indicator.

MERCURY TANK INDICATOR

It is connected to the tank by a small pipe, or can be connected to any existing pipe leading directly to the tank where the velocity of the water is not great enough to decrease the pressure.

Price each without mercury.....$96.00
Price of Mercury on application.

INDICATOR, GAUGE AND FLOAT

This Gauge is of wood, laid off in feet and decimals of a foot, having a white background with three-inch figures painted thereon in black and is furnished with a brass chain for attaching the sliding gauge and a copper ball float with pulleys over which the chain runs.

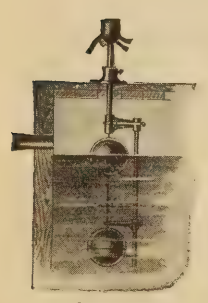
This is neat and substantial and inexpensive.

Indicator, Gauge and Float.

Price List for Indicator Gauge and Float for Wood Tanks

For Tanks 6 ft. and less in height	$ 7.05
For Tanks 7 ft. to 8 ft. in height (inclu.)	8.82
For Tanks 9 ft. to 10 ft. in height (inclu.)	11.46
For Tanks 11 ft. to 14 ft. in height (inclu.)	15.00
For Tanks 15 ft. to 18 ft. in height (inclu.)	19.41
For Tanks 19 ft. to 20 ft. in height (inclu.)	22.92
For Tanks 21 ft. to 24 ft. in height (inclu.)	26.46
For Tanks 25 ft. to 26 ft. in height (inclu.)	31.74
Extra for open top steel tank	2.25
Extra for steel tank with cover	6.75

CALDWELL'S TELL-TALE FLOATS

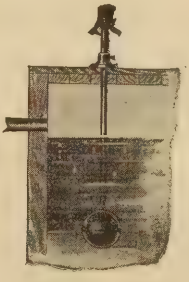


No. 1.

High and Low Water Floats for Closed Tanks.

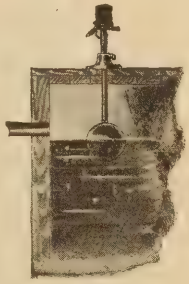
No. 2.

High and Low Water Floats for Open Tanks.



No. 3.

Low Water Floats.



No. 4.

High Water Floats.

Price List of Floats with One Foot of Stem

No wiring or batteries included.

No. 1.	For High and Low, closed tank	$23.40
No. 2.	For High and Low, open tank	23.40
No. 3.	For Low Hater, open or closed tank	13.65
No. 4.	For High Water, open or closed tank	13.65
Extra lengths of stem on single or double floats	per foot,	.78

State distance you want floats below top end of stave.
Write for discounts; also special, illustrated, descriptive circular.

TANK FOUNDATIONS

On the Ground or on Buildings

The importance of adequate and properly designed foundations is not fully appreciated by most people. *Poor foundations cause a great many tanks to leak.*

There are three cardinal principles to be observed in designing foundations.

1st. The weight must be supported from the bottom only. The staves of wooden tanks must not carry any of the load and where the tank is to rest on a level surface it is best to use dunnage or sub-joists as listed below which will support the bottom and raise the ends of the staves free.

2nd. The supporting pieces under the bottom must not be spaced over eighteen inches apart or preferably less and the bottom boards of wood tanks must run across the dunnage or joist supporting them.

3rd. The foundations must extend below the frost line when on the ground.

Realizing to what an extent the success of a tank depends on its foundation, we have made a careful study of tank foundations and have developed a series of standard designs which are not only of the proper strength but which contain the least amount of material that will develop this strength. The material has been put in the shape and place where it will do the most good.

We will furnish, when desired, a detail plan of foundations on the ground for the standard tanks we sell without extra cost and you can furnish your own materials or we can furnish the necessary wood joist and bridging cut to the proper lengths and ship them with the tank. See prices on the opposite page.

The placing of a tank on a building is a dangerous proceeding unless certain precautions are taken. If the building has not been especially designed to carry a tank, it should be examined and passed on for strength of walls, etc., by some reliable engineer or architect before attempting to put a tank on it. Any new brick work required should be set in cement mortar. The foundation itself is very important and should be designed *only* by some competent engineer *familiar with tank work,* as we find the *average* architect or engineer has not had the experience required, nor given the subject the close thought it deserves.

The design of tank supports has problems not usually found in other branches of engineering.

We are frequently asked to quote on designs of others and in most cases we either find some part of the structure too weak or, if of ample strength, the material was not placed economically. In a recent case our design cost less than one-half of that of the architect and was of equal strength.

Only round hoops should be used with a wood tank on a building.

Prices on application.

DUNNAGE OR SUB-JOISTS FOR TANKS

These prices are for the sub-joists only. Customers are sure of having these timbers fit the tank if ordered of us.

These are of All-Heart Southern Yellow Pine, cut to the proper circle to suit diameter of Tank, and are painted one coat.

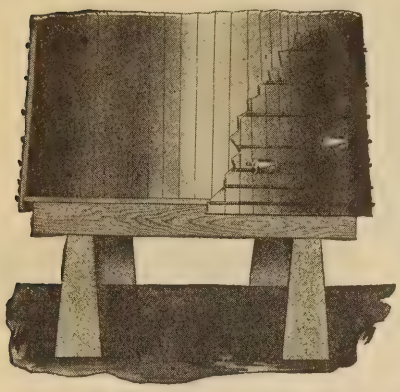
Prices on Sub-Joists

Inside Diam. of Tank	Weight Lbs.	Price	Inside Diam. of Tank	Weight Lbs.	Price
4 ft.	36	$ 2.97	14 ft.	495	$19.32
5 ft.	48	3.21	16 ft.	648	25.26
6 ft.	60	3.51	18 ft.	807	31.47
7 ft.	102	3.99	20 ft.	921	35.91
8 ft.	120	4.68	22 ft.	1137	44.34
10 ft.	273	10.65	24 ft.	2100	81.90
12 ft.	327	12.75	.....	.....	.....

Write for Discounts

Caldwell TANKS AND TOWERS

TANK FOUNDATIONS ON THE GROUND



The illustration shows our standard foundation for tanks on the ground. It consists of concrete walls with wood joists across them and have been designed so that no dunnage is necessary.

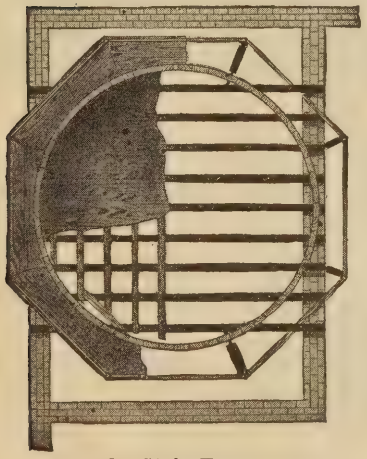
We give below prices on the woodwork only for these foundations which is of All Heart Long Leaf Southern Yellow Pine cut to the proper lengths to suit.

Prices on Wood Work Only

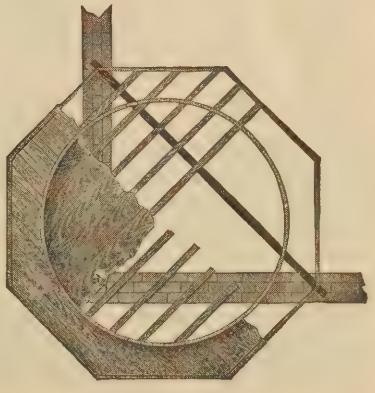
Inside Diam. of Tank	Weight Lbs.	Price	Inside Diam. of Tank	Weight Lbs.	Price
6 ft. 0 in.	147	$ 6.84	12 ft. 6 in.	945	$ 43.95
6 ft. 6 in.	162	7.53	14 ft. 0 in.	1221	56.79
7 ft. 0 in.	171	7.95	16 ft. 0 in.	1680	78.12
7 ft. 6 in.	180	8.37	17 ft. 0 in.	2085	96.96
8 ft. 0 in.	228	10.61	18 ft. 0 in.	2172	101.00
9 ft. 0 in.	324	15.04	20 ft. 0 in.	2310	107.42
10 ft. 0 in.	441	20.51	22 ft. 0 in.	2997	139.37
12 ft. 0 in.	918	42.69	24 ft. 0 in.	3213	149.40

Write for Discounts

TANK FOUNDATIONS ON BUILDINGS



On Stair Tower



On Corner Walls

Caldwell TANKS AND TOWERS

HEAVY STEEL TANKS AND COVERS

For Storage of Water, Oil, Turpentine, Etc.

STANDARD SIZES

Prices on Application

Gallons	Diameter In Feet	Height In Feet	Shipping Weight Tank only	Gallons	Diameter In Feet	Height In Feet	Shipping Weight Tank only
376	4.0	4.0	395	27070	16.0	18.0	9513
588	5.0	4.0	513	26646	18.0	14.0	12237
846	6.0	4.0	697	30453	18.0	16.0	13488
1057	6.0	5.0	801	34259	18.0	18.0	14740
1268	6.0	6.0	905	38066	18.0	20.0	15992
1691	6.0	8.0	1113	37600	20.0	16.0	15522
1612	6.6	6.6	1051	42300	20.0	18.0	16910
1880	8.0	5.0	1138	47000	20.0	20.0	18298
2256	8.0	6.0	1276	45493	22.0	16.0	17216
3008	8.0	8.0	1551	51179	22.0	18.0	18734
3760	8.0	10.0	1826	56866	22.0	20.0	20242
3524	10.0	6.0	1679	62553	22.0	22.0	21750
4699	10.0	8.0	2023	60908	24.0	18.0	20820
5874	10.0	10.0	2368	67676	24.0	20.0	22463
7049	10.0	12.0	2712	74444	24.0	22.0	24105
6767	12.0	8.0	3950	81211	24.0	24.0	25747
8459	12.0	10.0	4359	95311	26.0	24.0	30453
10151	12.0	12.0	4979	106254	26.0	26.0	31902
11843	12.0	14.0	5599	119751	28.0	26.0	34793
13816	14.0	12.0	5983	128962	28.0	28.0	36908
16118	14.0	14.0	6705	126895	30.0	24.0	36123
18047	16.0	12.0	7037	137470	30.0	26.0	37906
21055	16.0	14.0	7862	148044	30.0	28.0	39596
24062	16.0	16.0	8688	158619	30.0	30.0	42025

We recommend for ordinary water tanks 10'x12' and under to be made of at least $\frac{1}{8}$-inch steel, 12'x8' to 16'x18' of $\frac{3}{16}$-inch, 18'x14' to 24'x24' of $\frac{1}{4}$-inch and larger sizes of $\frac{1}{4}$" and $\frac{5}{16}$".

We supply these Steel Tanks thoroughly knocked down, well finished and punched for rivets, with rivets to put them together. All pieces are plainly marked and we furnish blue prints showing how tanks go together.

Write for Net Prices, including freight to your city.

We can figure on erecting these tanks, where desired.

We build these tanks in any other size and thickness wanted.

Caldwell TANKS AND TOWERS

RECTANGULAR STEEL TANKS

We build these tanks in any size or thickness wanted but recommend that they be built of heavier material than would be used for the same capacity round tanks.

They are thoroughly braced by angles and tie bars or rods when required so that, when filled, the sides will not bulge outward.

We supply these Rectangular Steel Tanks thoroughly knocked down, well finished and punched for rivets, with rivets to put them together. All pieces are plainly marked and we furnish blue prints showing how tanks go together.

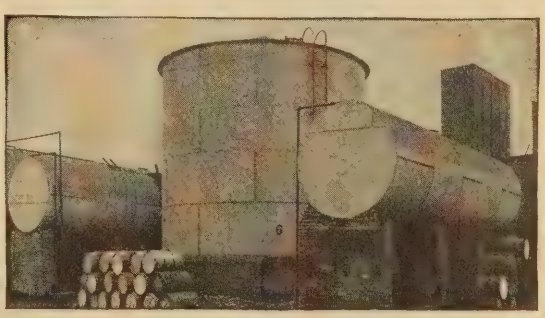
Write for Net Prices, including freight to your city.

We can figure on erecting these tanks where desired.

All Our Steel Tanks are set up in the shop to be certain that all parts fit and all holes match.

Horizontal Oil Tanks

Louisville Lead and Color Works



Caldwell TANKS AND TOWERS

GALVANIZED STEEL TANKS

RELIABLE GALVANIZED ROUND STORAGE TANKS

Send for Special Galvanized Tank Catalogue listing all sizes and styles.

No.	SIZE Dia. ft.	SIZE Ht. ft.	Capacity Gallons	List Price for 20 Ga.	
200	2	2	47	$ 7.44	Can be shipped S. U.
201	2½	2½	78	11.55	
202	3	2	91	14.85	
203	3	3	157	18.99	
204	3	4	220	22.29	
205	4	2	166	18.15	
206	4	2½	215	20.63	
207	4	3	254	23.10	
208	4	4	338	27.24	
209	4	5	423	31.35	
210	4	6	508	36.30	
211	4	8	688	46.20	
212	5	2	262	23.93	
213	5	2½	342	26.40	
214	5	3	411	28.88	
215	5	4	500	34.65	
216	5	5	675	42.09	
217	5	6	810	47.85	
218	5	8	1096	59.40	
219	6	2	384	30.53	
220	6	2½	480	33.00	
221	6	3	583	35.48	
222	6	4	786	42.90	
223	6	5	1000	49.50	
224	6	6	1200	66.00	
225	6	8	1600	80.85	
226	6½	6½	1500	73.11	
227	8	2	691	46.20	Must be shipped K. D.
228	8	2½	864	49.50	
229	8	5	2000	82.50	
230	8	6	2400	92.40	
231	8	8	3000	118.80	
232	8	10	3592	133.65	
233	10	2	1089	64.35	
234	10	2½	1361	69.30	
235	10	8	4500	156.75	
236	10	10	6000	181.50	
237	10	12	7000	214.50	
238	12	12	10000	272.25	
239	14	14	15000	321.75	
240	16	14	20000	354.75	
241	16	16	23000	404.25	

These capacities are not meant to be absolutely exact, but reasonably close. Measurements all outside.

We can furnish these Tanks in any size wanted.

Prices do not include covers. When required they will be supplied at proportionate additional prices. See opposite page.

List prices of all Tanks are based on No. 20 Gauge. For Tanks 6 feet diameter, 6 feet high, to 8 feet diameter, 8 feet high, inclusive, we recommend No. 18 Gauge; for Tanks 10 feet diameter, 8 feet high and 10 feet diameter, 10 feet high, No. 16 Gauge; for Tanks 12 feet diameter, 10 feet high, and 12 feet diameter, 12 feet high, No. 14 Gauge. Larger Tanks No. 12 and No. 10 Gauge. No 18 Gauge increases the price 30 per cent; No. 16, 60 per cent; No. 14, 90 per cent; No. 12, 140 per cent; No. 10, 200 per cent.

GALVANIZED STEEL TOWER TANKS

No.	Height Ft.	Height In.	Diameter Bottom Ft.	Diameter Bottom In.	Diameter Top Ft.	Diameter Top In.	Capacity Barrels	Wt. No Cover Lbs.	List Price No Cover
605	8		4	11	2	8	21	278	$ 64.35
606	7	4	4	7	3		21	260	64.35
607	6		5	5	3	10	24	275	66.30
608	8	10	5	1	2	6	25	320	78.00
609	5	6	5	6	4	4	25	260	66.30
610	7		5	6	3	6	26	300	74.10
611	8		5	5	3	3	28	350	79.95
612	7		5	7	4		30	325	74.10
613	7	4	6	2	4	7	40	350	83.85
614	9	6	5	10	3	10	44	400	117.00
615	7	8	6	10	5		50	400	117.00
616	5		8		6	9	53	400	92.63
617	9	4	6	10	4	9	58	600	136.50
618	8	10	7	11	5	4	60	640	142.35

Nos. 605 to 611 shipped set up; Nos. 612 to 618 shipped knocked down.

All prices are based on tanks as made of No. 20 galvanized steel. If No. 18 metal is wanted add 30 per cent; if No. 16 is wanted add 60 per cent.

Caldwell TANKS AND TOWERS

GALVANIZED STEEL TANKS

RELIABLE GALVANIZED STEEL RECTANGULAR TANKS

Round End Price List

No.	L'gth Feet	W'th Feet	Ht. Feet	Capacity Gals.	List Price 20 Gal.
300	4	1-6	1	40	$ 9.75
301	4	2	1	50	10.73
302	4	2	2	91	14.85
303	5	1-6	1	50	12.23
304	5	2	1	70	12.98
305	5	2	1-6	105	15.60
306	5	2	2	140	16.95
307	6	2	1	80	14.63
308	6	2	1-6	120	17.55
309	6	2	2	144	18.99
310	7	2	2	171	21.98
311	8	1-6	1	80	17.10
312	8	2	1	110	18.53
313	8	2	1-6	165	21.45
314	8	2	2	197	23.52
315	8	2	2-6	246	27.30
316	8	2-6	2	245	25.35
317	8	2-6	2-6	306	29.25
318	8	3	2	298	28.05
319	8	3	2-6	372	31.20
320	8	4	2	386	30.54
321	8	4	2-6	482	39.00
322	8	4	3	578	42.90
323	8	6	2	740	44.85
324	8	6	2-6	925	50.70
325	10	2	1	140	23.40
326	10	2	1-6	210	27.30
327	10	2	2	280	29.25
328	10	2-6	2	378	32.19
329	10	3	2	384	32.76
330	10	3	2-6	480	39.00
331	10	3	3	576	46.32
332	10	4	2	496	37.95
333	10	4	2-6	620	46.80
334	10	4	3	744	55.58
335	10	4	5	1240	79.95
336	10	6	2	897	53.63
337	10	6	2-6	1121	57.53
338	10	6	3	1345	63.38
339	10	6	4	1793	85.80
340	10	6	5	2241	105.30
341	12	4	2	693	50.22
342	14	4	2	819	57.53
343	16	4	2	826	61.89
344	16	4	2-6	1032	74.10
345	16	5	2	1197	78.00
346	16	5	2-6	1496	87.75
347	16	6	2	1418	88.73

Square End Price List

No.	L'gth Feet	W'th Feet	Ht. Feet	Capacity Gals.	List Price 20 Gal.
400	4	1	1	29	$10.73
401	4	2	1	58	12.68
402	4	2	2	101	15.69
403	5	1	1	37	12.23
404	5	2	1	74	14.63
405	5	2	2	148	18.53
406	6	2	1	89	16.58
407	6	2	2	152	19.38
408	8	1	1	58	16.58
409	8	2	1	119	20.48
410	8	2	2	202	26.40
411	8	2	2-6	253	35.10
412	8	2-6	2	262	28.89
413	8	3	2	318	30.93
414	8	3	2-6	397	39.98
415	8	4	2	424	37.95
416	8	4	2-6	530	48.75
417	8	4	3	636	51.48
418	10	2	1	149	24.38
419	10	3	2	397	36.30
420	10	3	2-6	496	47.78
421	10	3	3	595	52.20
422	10	4	2	530	41.25
423	10	4	2-6	662	56.10
424	10	4	3	795	61.95
425	16	4	2	945	67.65

We can furnish these Tanks in any size wanted. We also build Steel Tanks of all sizes and kinds.

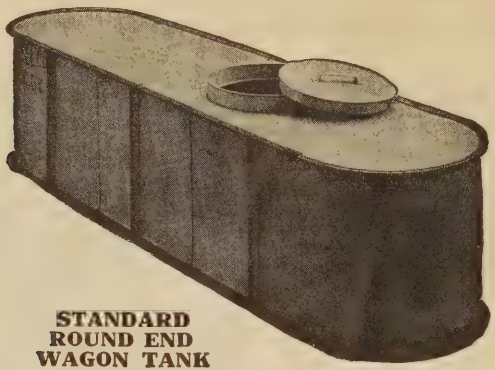
OIL AND GASOLINE TANKS

Price List Oil and Gasoline Tanks

No.	Inside Diam. Inches	Height Inches	Capacity Gallons	Price
85	18	30	32	$10.73
86	24	30	58	12.18
87	24	36	70	15.11
88	34	30	117	19.50
89	34	36	140	21.45
90	34	42	165	25.83
91	34	48	185	28.28
92	40	42	225	32.18
93	40	48	260	35.10

Our Oil and Gasoline Tanks are made of No. 20 galvanized steel. They are very strong and durable, and will stand much hard usage. We place a screw cap opening in top to fill by and a faucet in the side near bottom to draw off contents

GALVANIZED STEEL TANKS



STANDARD ROUND END WAGON TANK

Prices

No.	Width Feet	Height Feet	Length Feet	Capacity Gallons	Weight Pounds	Price
A	3	2	10	378	245	$53.63
B	3	2	8	295	215	48.68
C	2½	2	8	245	203	45.38
D	2	2	8	197	183	41.25
E	2	2	6	144	146	36.30

Order by number.

GALVANIZED TANK COVERS

CONICAL

FLAT

Style "F"

Prices

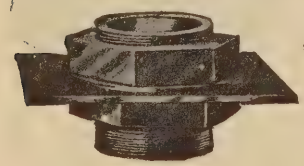
Diameter of Tank	Conical Cover No. 20 Ga.	Flat Cover No. 20 Ga.	Diameter of Tank	Conical Cover No. 20 Ga.	Flat Cover No. 20 Ga.
4 ft...	$ 9.60	$ 8.40	10 ft...	$60.00	$52.50
5 ft...	15.00	13.13	12 ft...	86.40	75.60
6 ft...	21.60	18.90	14 ft...	117.60	102.90
7 ft...	29.40	25.73	16 ft...	153.60	134.40
8 ft...	38.40	33.60			

Covers 10 foot diameter and over should be at least No. 18 gauge which is 30% more than above prices.

Style "B"

PIPE CONNECTIONS AND FAUCET

GALVANIZED LOCK NUT AND NIPPLE CONNECTION



Prices

$1.15	¾ inch	$2.70
1.50	1 inch	3.78
2.25	1½ inch	9.36
3.00	2 inch	16.74

BRASS FAUCET

With or without threaded end for hose connection.

STANDARD TOWERS

We illustrate on the following pages three distinct types of Steel Towers—Tubular Column, Angle Column and Latticed Column.

Each Tower is plainly illustrated and described so that its construction can easily be understood. All of them are of thoroughly reliable design and the difference between them is largely one of personal preference.

These Towers are all designed for tanks of certain sizes, which are herewith given.

In asking for prices, state the kind of tank (wood or steel), capacity in gallons, the kind of Tower and the height and what Insurance Requirements are to be complied with, if any; also whether we shall include the Riser Piping and Frost Boxing for Riser Pipes and Erection in our estimate.

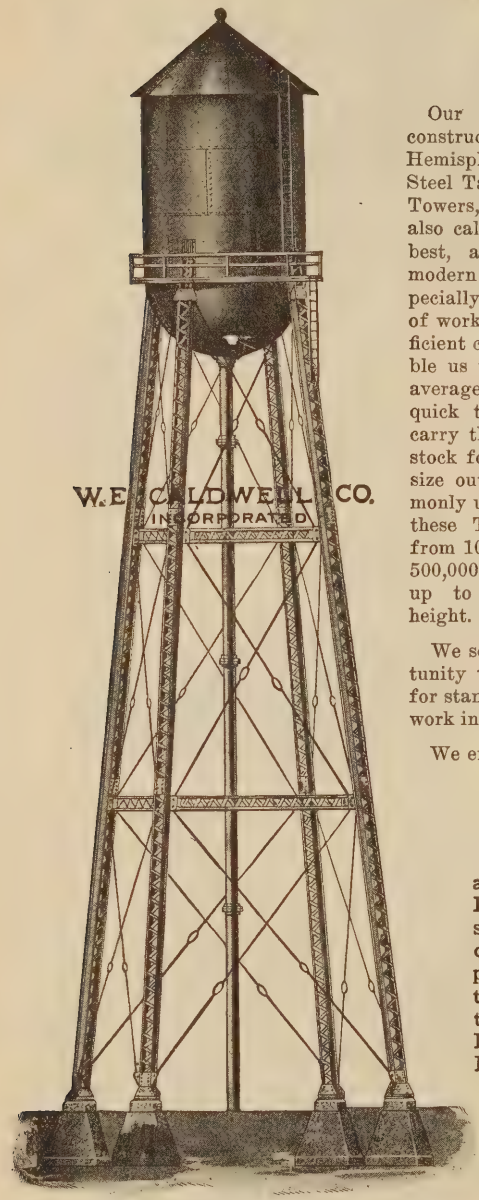
CORRECT TANK SIZES FOR TOWERS

Standard Towers	Tank to Use					
Either of the Tanks Listed Will Fit on Either Class Tower Opposite	Capacity	Wood See Pages 2 to 10 Diam.	Deep	No.	Galv. Steel See Page 24 Plain Steel See Page 22 Diam.	High
For Class "AA" Angle Column...	500	5.0	4.0	16	5.0	4.0
For Class "O" Tubular Column..	1000	6.6	4.5	30	6.0	5.0
or Class "CC" Angle Column....	1500	6.6	6.5	32	6.6	6.6
For Class "A" Tubular Column..	2800	8.0	7.5	54	8.0	8.0
or Class "FF" Angle Column....	3000	8.0	8.5	55		
For Class "B" Tubular Column..	5000	10.0	9.5	79		
or	***5000**	**10.0**	**9.4**	**F.M.**		
Class "HH" Angle Column.....	6000	10.0	11.5	80	10.0	10.0
For Class "C" Tubular Column..	10000	12.6	11.5	98	12.0	12.0
or	***10000**	**12.6**	**13.4**	**F.M.**		
Class "JJ" Angle Column.....	12000	12.6	13.5	99		
For Class "D" Tubular Column..	15000	14.0	13.5	107	14.0	14.0
or Class "KK" Angle Column....	***15000**	**14.0**	**15.4**	**F.M.**		
or Class "LD" Latticed Column..	17000	14.0	15.5	108		
For Class "E" Tubular Column..	20000	16.0	13.5	117	16.0	14.0
or Class "LL" Angle Column....	***20000**	**16.0**	**15.4**	**F.M.**		
or Class "LE" Latticed Column..	22000	16.0	15.5	118		
For Class "ES" Tubular Column.	25000	16.0	17.4	119	16.0	18.0
or Class "LES" Latticed Column..	***25000**	**16.0**	**17.4**	**F.M.**	16.0	18.0
For Class "F" Tubular Column..	30000	18.0	15.4	129	18.0	16.0
or	***30000**	**18.0**	**17.4**	**F.M.**		
Class "LF" Latticed Column....	33000	18.0	17.4	130		
For Class "FS" Tubular Column.	35000	18.0	19.4	131	18.0	20.0
or Class "LFS" Latticed Column.	***35000**	**18.0**	**19.4**	**F.M.**		
For Class "G" Tubular Column..	36000	19.6	17.4	133		
or	40000	19.6	19.4	134	20.0	18.0
Class "LG" Latticed Column....	***40000**	**19.6**	**19.4**	**F.M.**		
	50000	22.0	17.4	145	22.0	18.0
For Class "LH" Latticed Column.	***50000**	**22.0**	**19.4**	**F.M.**		
	55000	22.0	19.4	146	22.0	20.0

In larger sizes. Hemispherical Bottom Steel Tanks are used nearly altogether on account of being more economical. See page 28.

*Tank sizes marked with a star and followed by F.M. are the sizes to suit Insurance Requirements. See pages 10 and 32.

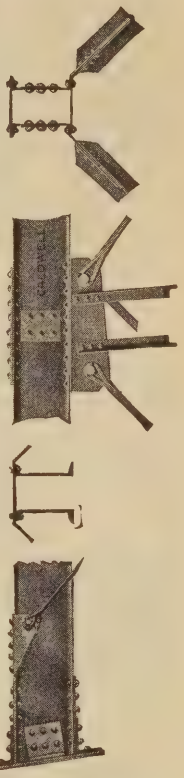
HEMISPHERICAL BOTTOM STEEL TANKS AND TOWERS



Our facilities for constructing Elevated Hemispherical Bottom Steel Tanks, or Water Towers, as they are also called, are of the best, as we have a modern plant built especially for this class of work, and with sufficient capacity to enable us to get out any average size outfit in quick time. We also carry the materials in stock for the standard size outfits most commonly used. We build these Tanks in sizes from 10,000 gallons to 500,000, with Towers up to 250 feet in height.

We solicit an opportunity to quote either for standard or special work in this line.

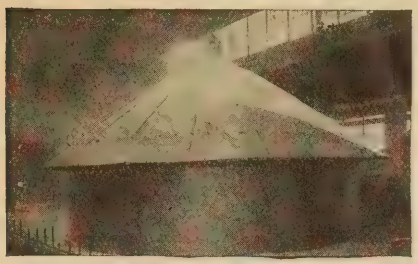
We erect anywhere.



These Towers are acceptable to any and all Insurance Companies. In asking for prices state what Insurance Requirements, if any, the outfit must comply with; the Capacity in gallons; Height of Tower to bottom of tank, and if we are to include the Riser Piping and Frost Boxing for Riser Pipes and Erection in our estimate.

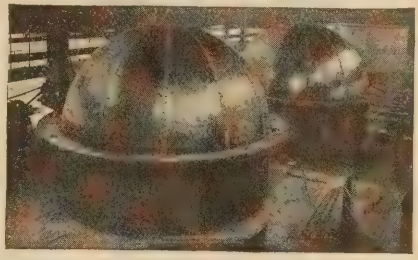
Caldwell TANKS AND TOWERS

HEMISPHERICAL BOTTOM STEEL TANKS AND TOWERS

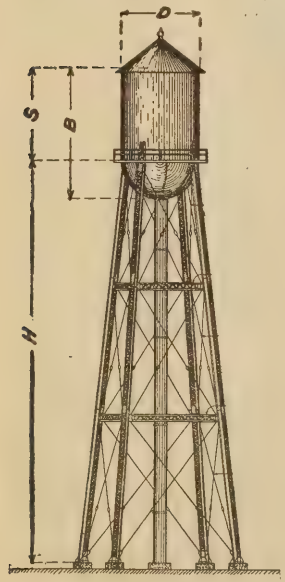


SHOP ERECTION

We set up all our Hemispherical Bottom Tanks in the shop, as shown in the accompanying illustrations, so as to be certain that all holes match properly and to ream any which do not. The sheets are then match marked so that they can be erected in the field in the same order they were set up in the shop. This insures the customer against delays in erection and gives him a more perfect job as it automatically checks the correctness of all parts before they leave our shop. This is a service that few if any other tank manufacturers will give you.



We do not list prices of this style of outfit on account of the multiplicity of sizes but we will quote, on application, net delivered prices with erection included if desired.



SIZES

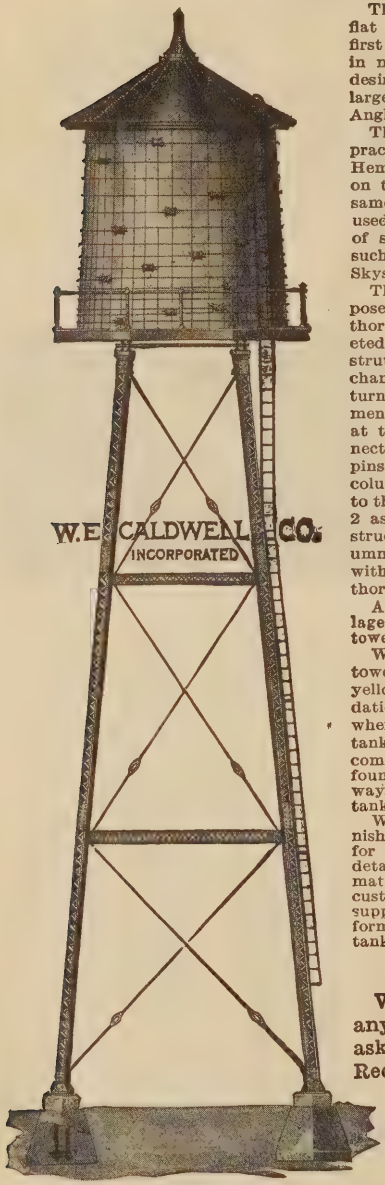
Capacity Gallons	Diameter D	Depth of Side S	Depth in Bottom B	Width Balcony
10,000	11′	10′—5″	15′—11″	18″
15,000	12′	13′—9″	19′—9″	18″
20,000	14′	12′—9″	19′—9″	24″
25,000	14′	17′—0″	24′—0″	24″
30,000	14′	21′—4″	28′—4″	24″
35,000	16′	18′—0″	26′—0″	24″
40,000	16′	21′—4″	29′—4″	24″
45,000	16′	24′—6″	32′—6″	24″
50,000	18′	20′—4″	29′—4″	24″
55,000	18′	23′—0″	32′—0″	24″
60,000	18′	25′—6″	34′—6″	24″
65,000	18′	28′—2″	37′—2″	24″
70,000	20′	23′—3″	33′—3″	24″
75,000	20′	25′—3″	35′—3″	24″
80,000	20′	27′—5″	37′—5″	24″
90,000	22′	24′—4″	35′—4″	27″
100,000	22′	28′—0″	39′—0″	27″
110,000	22′	31′—4″	42′—4″	27″
120,000	24′	27′—5″	39′—5″	30″
125,000	24′	29′—0″	41′—0″	30″
130,000	24′	30′—6″	42′—6″	30″
140,000	24′	33′—4″	45′—4″	30″
150,000	24′	36′—4″	48′—4″	30″
175,000	26′	35′—5″	48′—5″	36″
200,000	28′	34′—1″	48′—1″	36″
250,000	30′	37′—4″	52 —4″	36″
300,000	32′	39′—4″	55′—4″	36″

Square Base Spread on centers=.707 D plus .184H.

State height of tower desired and whether height is to be measured to bottom or balcony line.

Caldwell TANKS AND TOWERS

LATTICED COLUMN TOWERS



30,000 Gallon Cypress Tank
80-foot Latticed Column Steel Tower

This is the heaviest and strongest tower built for flat bottom tanks. It is recommended where a first class riveted structure is wanted. It is made in multiples of 10 feet in height or any height desired and in capacities of 15,000 gallons and larger. For smaller capacities we recommend our Angle Column Tower.

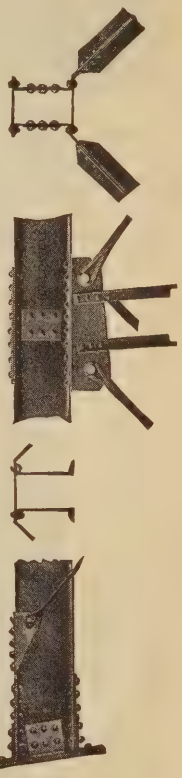
This tower conforms with the best engineering practice and is practically identical with our Hemispherical Bottom Tower and is the only one on the market, for flat bottom tanks, using the same construction as is used in the highest class of structural steel work such as Railroad Bridges, Skyscrapers, etc.

The columns are composed of two channels thoroughly laced and riveted together and the struts of laced angles or channels. The rods have turnbuckles for adjustment with enlarged ends at the threads and connected to the columns by pins and clevises. This column has 6 to 7 rivets to the foot instead of 1 or 2 as in most other constructions. Strut and column connections are made with heavy gusset plates thoroughly riveted.

A heavy I-Beam grillage at the top of the tower supports the tank.

We usually furnish this tower with long leaf yellow pine timber foundation at top of tower when used with wood tanks though we recommend the steel I-beam foundation which is always used with steel tanks.

When desired we furnish the iron-work alone for these towers with a detailed plan and bill of material by which the customer may himself supply the timbers that form a support for the tank at top of tower.



We build these Towers acceptable to any and all Insurance Companies. In asking for prices state what Insurance Requirements, if any, the outfit must comply with; the Kind of Tank (wood or steel); Capacity in gallons; Height of Tower and if we are to include Riser Piping and Frost Boxing for Riser Pipes and Erection in our estimate.

Caldwell TANKS AND TOWERS

PRICES OF LATTICED COLUMN STEEL TOWERS

See Correct Tank Sizes on Page 27.
See Prices of Wood Tanks on Page 5 to 11 and Steel Tanks on page 22.

CLASS L-D

For 15,000 to 17,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
20	6605	$579.57	11′— 2″
25	7315	670.95	12′— 1″
30	8645	832.38	13′— 0″
40	10065	1024.89	14′—10″
50	11445	1202.49	16′— 8″
60	14005	1531.95	18′— 7″
70	15355	1705.71	20′— 5″
80	18235	2047.89	22′— 3″
90	21355	2408.85	24′— 1″
100	23175	2674.11	25′—11″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists..$195.00

CLASS L-E

For 20,000 to 22,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
20	7947	$653.85	12′— 2″
25	8657	745.20	13′— 1″
30	9977	905.40	14′— 0″
40	11597	1123.59	15′—10″
50	13757	1384.50	17′— 8″
60	16537	1736.88	19′— 6″
70	18197	1947.27	21′— 4″
80	21177	2293.44	23′— 2″
90	23007	2521.83	25′— 0″
100	26377	2942.40	26′—10″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists..$195.00

CLASS L-ES

For 25,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
20	9202	$757.68	12′— 2″
25	9922	848.94	13′— 1″
30	10652	941.46	14′— 0″
40	13042	1244.40	15′—10″
50	14742	1459.89	17′— 8″
60	17222	1774.23	19′— 6″
70	20032	2102.34	21′— 4″
80	22022	2350.68	23′— 2″
90	26262	2839.68	25′— 0″
100	30192	3322.44	26′—10″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists....$210.00

CLASS L-F

For 30,000 to 33,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
20	10779	$837.21	13′— 1″
25	11419	918 33	14′— 0″
30	12729	1073.70	14′—11″
40	14669	1330.26	16′— 9″
50	17239	1636.56	18′— 7″
60	18829	1834.98	20′— 5″
70	21939	2223.12	22′— 4″
80	26059	2700.66	24′— 2″
90	28209	2964.78	26′— 0″
100	31619	3383.73	27′—10″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists....$323.70

CLASS L-FS

For 35,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
20	11731	$994.77	13′— 1″
25	12581	1100.85	14′— 0″
30	13541	1220.67	14′—11″
40	16191	1551.39	16′— 9″
50	19301	1917.21	18′— 7″
60	21641	2204.67	20′— 5″
70	24721	2583.06	22′— 3″
80	27391	2911.08	24′— 1″
90	30061	3239.07	25′—11″
100	32391	3525.33	27′— 9″

Prices for this Tower include Steel Girders, Longleaf Yellow Pine Joists and Walkway with Iron Handrail and Ladder.
Extra for Steel Joists.....$180.00

CLASS L-G

For 36,000 to 45,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
20	13669	$1142.34	14′— 1″
25	14649	1262.73	15′— 0″
30	15749	1397.88	15′—11″
40	18839	1777.47	17′— 9″
50	20699	2005.98	19′— 7″
60	24329	2422.32	21′— 5″
70	26389	2671.38	23′— 3″
80	29759	3078.81	25′— 1″
90	33859	3574.50	26′—11″
100	36109	3846.54	28′— 9″

Prices for this Tower include Steel Girders, Longleaf Yellow Pine Joists and Walkway with Iron Handrail and Ladder.
Extra for Steel Joists.....$214.50

*Heights are from ground or grade line to the bottom of tank.

Prices are given for standard outfits. We build this type of Tower in any other size or height wanted.

On all Towers a ladder is supplied from balcony to 10 feet above ground and from balcony to 3 feet above top of tank.

Prices do not include tank.

We supply plans and specifications for putting in the foundations and plans for the erection where customer does the erecting.

We will quote for erecting any size outfit in any part of the country when desired.

These prices are subject to a liberal discount that will be quoted on application, or we shall be glad to quote net delivered prices and to include erection when desired.

CLASS L-H

For 50,000 to 55,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
20	16505	$1764.69	15′— 5″
25	17555	1801.62	16′— 4″
30	18705	1940.67	17′— 3″
40	22985	2413.02	19′— 1″
50	24975	2698.71	20′—11″
60	27835	3044.49	22′— 9″
70	32265	3498.83	24′— 7″
80	35525	3880.23	26′— 5″
90	39705	4369.29	28′— 4″
100	42295	4672.32	30′— 2″

Prices for this Tower include Steel Girders and Joists, Yellow Pine Walkway with Iron Handrail and Ladder.

PRICES OF FACTORY MUTUAL LATTICED COLUMN STEEL TOWERS

For Insurance Requiremenis

We thoroughly understand the requirements of the Associated Factory Mutual Fire Insurance Companies, and take particular pains to follow the spirit as well as the mere letter of their specifications.

We are listed in their approved list and have authority to use their special label or mark. This means that our design, our factory, and our finished work have been thoroughly inspected and approved by them.

Their specifications and inspections are much more rigid and searching than under other insurance regulations and in the ordinary commercial job. It is, therefore, very important that the purchaser make sure that the builder of the tower knows how to, can, and will follow these specifications in every respect. It will save him considerable worry and delay.

See Correct Tank Sizes on Page 27.

See Prices of Wood Tanks on Page 11 and Steel Tanks on page 22.

CLASS L-E—(FM)
For 20,000 Gallon Tanks.
See Size on Page 11.

H'ght in Feet	Shipping Weight Pounds	Prices Complete	Base Spread on Centers
20	8811	$1009.08	12′— 3″
25	9571	1098.00	13′— 2″
30	12071	1374.90	14′— 1″
40	13891	1585.84	15′—11″
50	16791	1880.34	17′— 9″
60	18911	2175.18	19′— 7″
75	24141	2787.12	22′— 4″
100	33251	3852.96	26′—11″

CLASS L-ES—(FM)
For 25,000 Gallon Tanks.
See Size on Page 11.

H'ght in Feet	Shipping Weight Pounds	Prices Complete	Base Spread on Centers
20	9507	$1091.22	12′— 3″
25	10456	1202.36	13′— 2″
30	13706	1567.02	14′— 1″
40	16396	1881.72	15′—11″
50	18416	2118.06	17′— 9″
60	22806	2631.72	19′— 7″
75	26406	3052.92	22′— 4″
100	34886	4045.08	26′—11″

CLASS L-F—(FM)
For 30,000 Gallon Tanks.
See Size on Page 11.

H'ght in Feet	Shipping Weight Pounds	Prices Complete	Base Spread on Centers
20	11652	$1337.96	13′— 2″
25	12702	1460.78	14′— 1″
30	15182	1723.64	15′— 0″
40	17732	2033.72	16′—10″
50	20892	2403.44	18′— 8″
60	23502	2708.78	20′— 6″
75	28722	3319.52	25′— 3″
100	35192	4076.54	27′—11″

CLASS L-FS—(FM)
For 35,000 Gallon Tanks.
See Size on Page 11.

H'ght in Feet	Shipping Weight Pounds	Prices Complete	Base Spread on Centers
20	12531	$1440.76	13′— 2″
25	13541	1558.96	14′— 1″
30	15991	1829.98	15′— 0″
40	20451	2351.80	16′—10″
50	23981	2764.84	18′— 8″
60	26681	3080.74	20′— 6″
75	32181	3735.94	25′— 3″
100	40521	4700.02	27′—11″

CLASS L-G—(FM)
For 40,000 Gallon Tanks.
See Size on Page 11.

H'ght in Feet	Shipping Weight Pounds	Prices Complete	Base Spread on Centers
20	15326	$1761.24	14′— 1″
25	16786	1932.06	15′— 0″
30	19286	2208.96	16′— 0″
40	22286	2559.96	17′—10″
50	25746	2964.78	19′— 8″
60	28506	3299.40	21′— 6″
75	33426	3863.34	24′— 3″
100	44086	5110.56	28′—10″

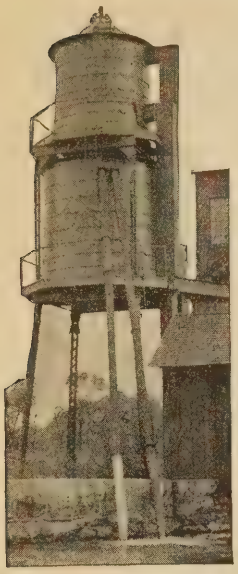
CLASS L-H—(FM)
For 50,000 Gallon Tanks.
See Size on Page 11.

H'ght in Feet	Shipping Weight Pounds	Prices Complete	Base Spread on Centers
20	18239	$2085.06	15′— 6″
25	19709	2257.08	16′— 6″
30	22179	2530.44	17′— 5″
40	26659	3054.64	19′— 3″
50	30079	3454.74	21′— 1″
60	32959	3791.70	22′—11″
75	39299	4533.48	25′— 8″
100	50639	5860.26	30′— 3″

Heights are from top of foundation to bottom of tank.
Prices include Steel Girders and Joists; extra wide Walk-way, Hand-rail, Outside Iron Ladder, from ground to walk-way, walk-way and platform from column to expansion joint.

For prices and description of Tanks, use lists on page 11, last column.
For prices and description of Piping and Accessories, see pages 44 to 48.

CALDWELL WATER SUPPLY OUTFITS



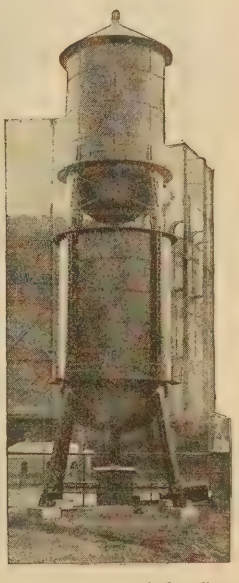
Peninsular Paper Co.
Ypsilanti, Mich.
15,000 and 10,000 gals.,
20 and 32 ft. high

Studebaker Bros. Mfg.
Co., South Bend, Ind.
150,000 gals., 200 ft.
to top

Jersey Central Traction
Co., Keyport, N. J.
30,000 gals., 51 ft. high
Tubular Tower

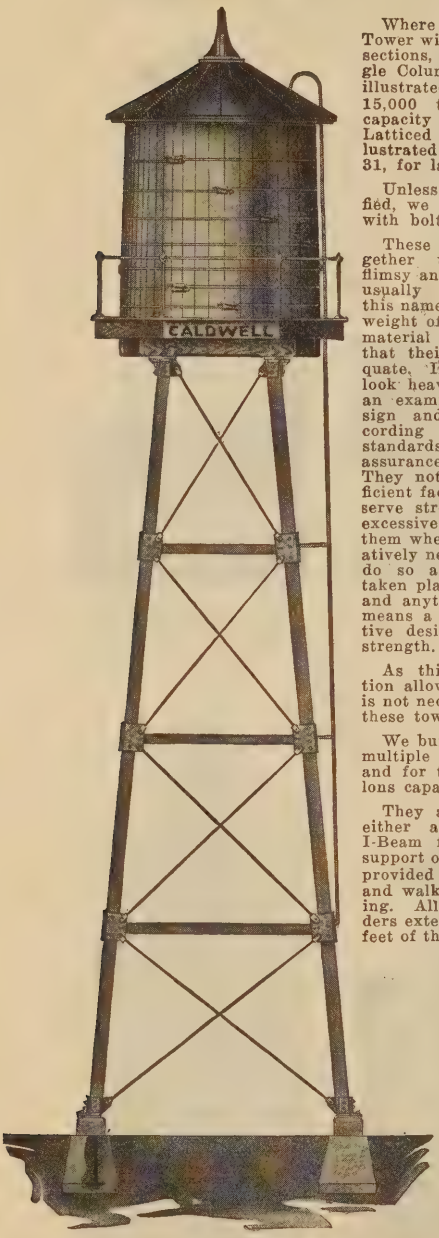
Vonnegut Hardware
Co., Indianapolis, Ind.
15,000 gals., 20 ft. high
Tower on a Building

Pequot Silk Mills
Shickshinny, Pa.
20,000 gals.
Tank on a Building



Lowell Gas Light Co.
Lowell, Mass.
150,000 and 100,000
gals., 28 and 75 ft. high

ANGLE COLUMN TOWERS



Where customers prefer a Tower with riveted or bolted sections, we supply the Angle Column Tower herewith illustrated for Tanks of 15,000 to 22,000 gallons capacity and less, and our Latticed Column Tower illustrated on pages 30 and 31, for larger sizes.

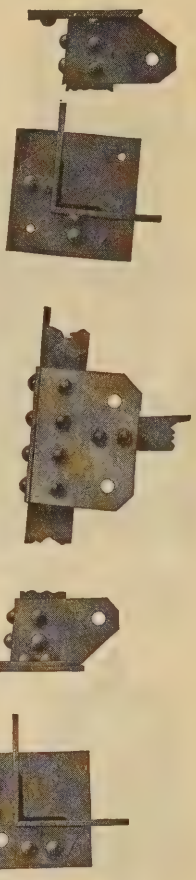
Unless otherwise specified, we furnish the Towers with bolted sections.

These Towers are altogether unlike the light, flimsy and fragile structures usually furnished under this name; they have enough weight of metal and bulk of material to satisfy the eye that their strength is adequate. In other words, they look heavy and strong, and an examination of the design and construction according to engineering standards, will make this assurance doubly sure. They not only have a sufficient factor of safety or reserve strength to meet any excessive demands upon them when they are comparatively new, but sufficient to do so after corrosion has taken place year after year, and anything less than this means a structure of defective design and inadequate strength.

As this heavy construction allows for corrosion, it is not necessary to galvanize these towers.

We build these Towers in multiple heights of ten feet, and for tanks of 1,000 gallons capacity and up.

They are furnished with either a timber or steel I-Beam foundation for the support of the tank. This is provided with an extension and walkway with handrailing. All Towers have ladders extending to within ten feet of the ground.



These Towers are acceptable to any and all Insurance Companies. In asking for prices state what Insurance Requirements, if any, the outfit must comply with; the kind of Tank (wood or steel), Capacity in gallons; Height of Tower and if we are to include Riser Piping and Frost Boxing for Riser Pipes and Erection in our estimate.

Caldwell TANKS AND TOWERS

PRICE LIST OF ANGLE TOWERS

See correct Tank sizes on page 27.

See prices of Wood Tanks on pages 5 to 11, Steel Tanks on page 22 and Galvanized Tanks on page 24.

CLASS AA

For 500 Gallon Tanks
See Sizes on Page 27.

Height in Feet	Ship'g Wt. Lbs.	Price Painted	Price Galv'd	Base Spread on Centers
12	994	$ 76.36	$125.68	4′—10″
22	1311	113.35	192.74	6′— 8″
32	1670	166.29	279.28	8′— 6″
42	2140	206.82	364.16	10′— 5″
52	2622	259.45	399.44	12′— 3″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder.

CLASS CC

For 1,000 and 1,500 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Ship'g Wt. Lbs.	Price Painted	Price Galv'd	Base Spread on Centers
12	1357	$106.86	$162.03	5′— 4″
22	1747	152.79	246.00	7′— 2″
32	2164	201.51	335.40	9′— 0″
42	2622	254.85	433.35	10′—11″
52	3142	314.91	544.11	12′— 9″
62	3328	333.06	451.28	14′— 7″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists...$39.00

CLASS FF

For 3,000 Gallon Tanks
See Sizes on Page 27.

Height in Feet	Ship'g Wt. Lbs.	Price Painted	Price Galv'd	Base Spread on Centers
12	1861	$144.81	$219.87	6′— 6″
22	2426	207.66	337.86	8′— 5″
32	3060	285.30	477.30	10′— 3″
42	3798	373.02	636.00	12′— 1″
52	4493	450.60	782.28	13′—11″
62	5380	551.40	969.60	15′—10″
72	6325	645.33	1034.40	17′— 8″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists $39.00

CLASS HH

For 5,000 and 6,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Ship'g Wt. Lbs.	Price Painted	Price Galv'd	Base Spread on Centers
12	2512	$186.57	$278.22	7′— 5″
22	3162	263.34	418.35	9′— 3″
32	3787	345.93	561.90	11′— 1″
42	4664	436.80	738.27	13′— 0″
52	5494	532.92	915.33	14′—10″
62	6557	653.01	1139.07	16′— 8″
72	7699	764.36	1222.89	18′— 6″
82	8938	883.13	1313.61	20′— 5″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists...$48.75

CLASS JJ

For 10,000 and 12,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Ship'g Wt. Lbs.	Price Painted	Price Galv'd	Base Spread on Centers
12	3768	$287.94	$409.92	8′—11″
22	4846	404.91	632.01	10′—10″
32	5888	526.26	854.94	12′— 8″
42	6990	652.74	1088.88	14′— 6″
52	8195	790.59	1344.21	16′— 4″
62	9572	937.86	1625.76	18′— 3″
72	10821	1076.22	1885.86	20′— 1″
82	12382	1255.53	2217.36	21′—11″
92	13964	1408.63	2332.56	23′— 9″
102	15823	1580.16	2466.48	25′— 8″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists...$117.00

CLASS KK

For 15,000 and 17,000 Gallon Tanks
See Sizes on Page 27.

Height in Feet	Ship'g Wt. Lbs.	Price Painted	Price Galv'd	Base Spread on Centers
12	4975	$359.01	$510.66	9′—11″
22	6116	491.43	754.29	11′—10″
32	7336	627.66	1009.47	13′— 8″
42	8555	777.42	1277.31	15′— 6″
52	10081	935.82	1584.78	17′— 4″
62	11637	1126.23	1927.41	19′— 3″
72	13182	1276.47	2228.25	21′— 1″
82	14976	1484.79	2611.50	22′—11″
92	17160	1701.67	2769.90	24′— 9″
102	19989	1971.03	2972.94	26′— 8″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists..$195.00

CLASS LL

For 20,000 and 22,000 Gallon Tanks.
See Sizes on Page 27.

Height in Feet	Ship'g Wt. Lbs.	Price Painted	Price Galv'd	Base Spread on Centers
12	6330	$434.88	$595.95	10′—11″
22	7504	571.47	847.38	12′—10″
32	8828	718.38	1123.38	14′— 8″
42	10165	880.50	1415.88	16′— 6″
52	11803	1051.14	1746.24	18′— 4″
62	13305	1235.28	2076.81	20′— 3″
72	15273	1432.29	2465.73	22′— 1″
82	17388	1670.97	2910.60	23′—11″
92	19651	1890.36	3074.76	25′— 9″
102	22593	2166.36	3287.88	27′— 8″

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder. Extra for Steel Girders and Joists..$195.00

Heights are standard and are from ground or grade line to bottom of tank.

On all Towers a ladder is supplied from 3 feet above the top of the tank to 11 feet above the ground.

These Towers can be furnished with either bolted or riveted connections, as preferred, but are regularly furnished with bolted sections though we recommend them to be riveted.

Prices do not include tank.

We supply plans and specifications for putting in the foundations and plans for the erection where customer does the erecting.

We will quote for erecting any size outfit in any part of the country when desired.

These prices are subject to a liberal discount that will be quoted on application, or we shall be glad to quote net delivered prices, and to include erection when desired.

PATENTED SECTIONAL TUBULAR COLUMN STEEL TOWER

This Tower is built with 4 columns. It is constructed for Tanks from 1,000 to 40,000 gallons.

The columns of these Towers are cut off square at the ends and these faced in a lathe to insure a true bearing against the internal flange in the heavy socket castings that make the joint connections, this flange also being faced off. These sockets are made on the proper angle to suit the batter of the Tower, and have a boss that is tapped to receive the extra long threaded ends of the round steel rods that are used for sway bracing. These rods are provided with drop forged turnbuckles to secure proper tension.

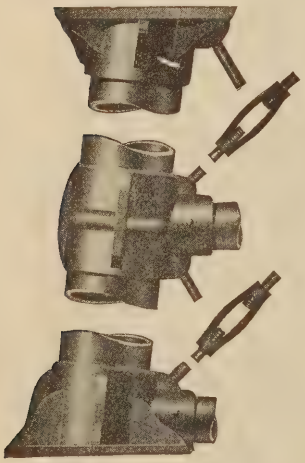
The Tower is the simplest in design of any on the market, and the easiest to erect as the use of socket connections does away with all riveting and makes it unnecessary to use skilled labor in putting it up. Any ordinary mechanic can erect the structure with common labor.

Practically no scaffolding is required as the sections are short and each is just like the others, and one section can be used from which to erect the next. A ginpole with ropes and blocks and wrenches are all the tools required.

This Tower has been on the market for 20 years and is in use in every state and territory in this country, and in Canada, Mexico, the West Indies, Central and South America as well. It is endorsed and recommended by leading Architects and Engineers everywhere.

On account of its round columns, this tower offers less resistance to the wind than any other, sheds water easier and holds paint better, and it is the most graceful and handsome tower on the market. The stability of these towers is attested by the fact that many have passed through the fiercest tropical storms, and even cyclones, without being budged a particle, and numerous letters to this effect are printed in our Testimonial Booklet which will be sent to any address on application.

Let us send you our Handsome Embossed View Book with illustrations of about sixty of these structures furnished representative concerns and institutions.



30,000 Gallon Cypress Tank.
63 Foot Tubular Column Steel Tower.
See Price List on Page 35.

When desired, we furnish the iron work alone for these Towers with a detailed plan and bill material by which the customer may himself supply the timbers that form a support for the tank at top of Tower.

In asking for prices state the kind of Tank (wood or steel), capacity in gallons, height of tower, and if we are to include the Riser Piping and Frost Boxing for Riser Pipe and Erection in our Estimate.

PRICE LIST OF TUBULAR COLUMN STEEL TOWERS

See correct Tank sizes on page 27.

See prices of Wood Tanks on pages 5 to 11, Steel Tanks on page 22 and Galvanized Tanks on page 24.

CLASS O

For 1,000 to 1,500 Gallon Tanks.
See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	1535	$121.44	6′— 6″
20	1988	169.53	7′—11″
27	2129	185.13	9′— 6″
39	2750	252.75	12′— 6″
51	3532	339.00	15′— 6″
63	4345	424.86	18′— 6″
75	5217	516.87	21′— 6″

Extra for Steel Girders and Joists.....$39.00
Estimated Cost of Foundations in good ground.....$15.00

CLASS A

For 2,000 to 3,000 Gallon Tanks.
See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	2022	$153.18	7′— 6″
20	2638	217.47	8′— 9″
27	2776	232.71	10′— 6″
39	3581	316.59	13′— 6″
51	4515	416.07	16′— 6″
63	5450	514.80	19′— 6″
75	6458	619.56	22′— 6″
87	7783	751.32	25′— 6″

Extra for Steel Girders and Joists.....$39.00
Estimated Cost of Foundations in good ground.....$20.00

CLASS B

For 5,000 to 6,000 Gallon Tanks.
See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	2826	$205.14	8′— 6″
20	3204	253.50	9′— 9″
27	3879	312.42	11′— 6″
39	5011	426.78	14′— 6″
51	6290	559.62	17′— 6″
63	7614	693.24	20′— 6″
75	9016	835.41	23′— 6″
87	10531	986.58	26′— 6″
100	11947	1125.33	29′— 6″

Extra for Steel Girders and Joists.....$48.75
Estimated Cost of Foundations in good ground.....$25.00

CLASS C

For 10,000 to 12,000 Gallon Tanks.
See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	4287	$306.60	10′— 0″
20	4795	364.26	11′— 3″
27	5777	452.64	13′— 0″
39	7373	607.74	16′— 0″
51	9148	784.14	19′— 0″
63	10988	963.12	22′— 0″
75	12967	1154.40	25′— 0″
87	15059	1356.30	28′— 0″
100	17288	1569.69	31′— 0″

Extra for Steel Girders and Joists....$117.00
Estimated Cost of Foundations in good ground.....$32.50

CLASS D

For 15,000 to 17,000 Gallon Tanks.
See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	5601	$395.70	11′— 0″
20	6264	462.21	12′— 3″
27	7367	567.93	14′— 0″
39	9229	747.93	17′— 0″
51	11210	939.66	20′— 0″
63	13312	1142.43	23′— 0″
75	15535	1355.43	26′— 0″
87	17877	1579.77	29′— 0″
100	20344	1815.75	32′— 0″

Extra for Steel Girders and Joists....$195.00
Estimated Cost of Foundations in good ground.....$40.00

CLASS E

For 20,000 to 22,000 Gallon Tanks.
See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	7462	$547.71	12′— 0″
20	8082	621.87	13′— 2″
27	9661	790.74	15′— 0″
39	11995	1045.74	18′— 0″
51	14478	1314.81	21′— 0″
63	17208	1599.69	24′— 0″
75	19890	1895.16	27′— 0″
87	22823	2206.89	30′— 0″
100	25905	2532.84	33′— 0″

Extra for Steel Girders and Joists....$195.00
Estimated Cost of Foundations in good ground.....$50.00

LARGER SIZES ON NEXT PAGE

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder, except Classes FS and G, which have Steel Girders instead of Wood. Note extra price for Steel Girders and Joists.

Heights are standard and are from ground or grade line to bottom of tank.

On all towers a ladder is supplied from 3 feet above the top of the tank to 13 feet above the ground.

Prices do not include tank.

We supply plans and specifications for putting in the foundations and plans for the erection where customer does the erecting.

We will quote for erecting any size outfit in any part of the country when desired.

These prices are subject to a liberal discount that will be quoted on application, or we shall be glad to quote net delivered prices, and to include erection when desired.

PRICE LIST OF TUBULAR COLUMN STEEL TOWERS
Continued

See correct Tank sizes on page 27.

See prices of Wood Tanks on pages 5 to 11, Steel Tanks on page 22 and Galvanized Tanks on page 24.

CLASS ES

For 25,000 Gallon Tank. See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	8117	$ 581.25	12′—0″
20	8737	655.41	13′—2″
27	10316	824.28	15′—0″
39	12650	1079.28	18′—0″
51	15133	1348.32	21′—0″
63	17683	1633.23	24′—0″
75	20545	1928.70	27″—0″
87	23478	2240.43	30′—0″
100	26560	2566.38	33′—0″

Extra for Steel Girders and Joists....$210.00
Estimated Cost of Foundations in good ground.....$55.00

CLASS F

For 30,000 to 33,000 Gallon Tanks. See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	10127	$ 710.19	13′—0″
20	11194	830.19	14′—2″
27	12658	988.02	16′—0″
39	15325	1278.96	19′—0″
51	18145	1584.51	22′—0″
63	21110	1904.16	25′—0″
75	24232	2237.43	28′—0″
87	27499	2588.55	31′—0″
100	30925	2948.94	34′—0″

Extra for Steel Girders and Joists....$323.70
Estimated Cost of Foundations in good ground.....$60.00

CLASS FS

For 35,000 Gallon Tank. See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	11439	$ 898.95	13′—0″
20	12776	1044.93	14′—2″
27	14690	1246.05	16′—0″
39	18077	1606.23	19′—0″
51	21617	1980.48	22′—0″
63	25302	2370.00	25′—0″
75	29144	2772.51	28′—0″
87	33131	3192.87	31′—0″
100	37277	3622.53	34′—0″

Extra for Steel Joists.....$180.00
Estimated Cost of Foundations in good ground.....$70.00

CLASS G

For 36,000 to 40,000 Gallon Tanks. See Sizes Page 27.

Height in Feet	Weight in Pounds	Prices Complete	Base Spread on Centers
15	12751	$ 982.95	14′—0″
20	13424	1062.30	15′—0″
27	15890	1325.01	17′—0″
39	19199	1681.74	20′—0″
51	22692	2055.45	23′—0″
63	25367	2445.84	26′—0″
75	30227	2853.30	29′—0″
87	34278	3278.34	32′—0″
100	38492	3719.07	35′—0″

Extra for Steel Joists.....$214.50
Estimated Cost of Foundations in good ground.....$75.00

Prices include Longleaf Yellow Pine Girders, Joists and Walkway with Iron Handrail and Ladder, except Classes FS and G, which have Steel Girders instead of Wood. Note extra price for Steel Girders and Joists.

Heights are standard and are from ground or grade line to bottom of tank.

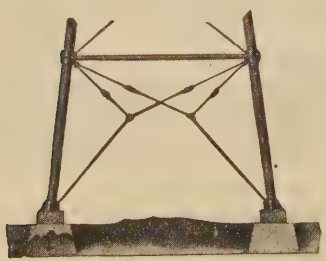
On all towers a ladder is supplied from 3 feet above the top of the tank to 13 feet above the ground.

Prices do not include tank.

We supply plans and specifications for putting in the foundations and plans for the erection where customer does the erecting.

We will quote for erecting any size outfit in any part of the country when desired.

These prices are subject to a liberal discount that will be quoted on application, or we shall be glad to quote net delivered prices, and to include erection when desired.

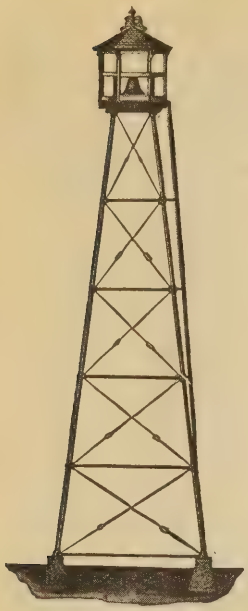


STANDARD DRIVEWAY

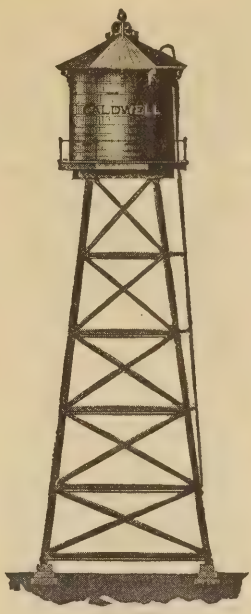
A driveway through any of our standard towers can be arranged by the special bracing illustrated at a small additional cost. In our Latticed Column Tower there is usually sufficient clearance for a driveway without any change. This design is very simple but structurally correct.

Tell us whether the driveway goes straight through or turns under the tower and also the clearance required; that is, the height above the grade line and the width at this height.

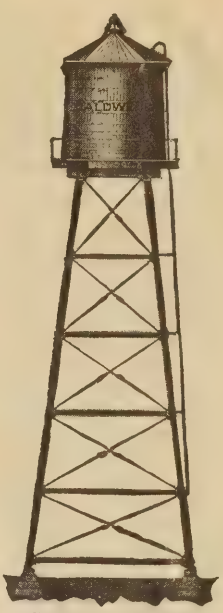
OTHER KINDS OF TOWERS



Bell Tower



All Wood Tower



Combined Tower Wood and Iron

BELL TOWERS

Our Tubular Steel Bell Towers are exceptionally strong, graceful and durable. They are the same design as our Standard Tank Towers and are of such weight and strength and so well braced that they are thoroughly stable under the strains caused by the swinging of the bell or of very high winds. We have never known one of these to collapse even after years of use. The only care they need is an occasional coat of paint.

For general construction see pages 36 and 37. Prices include Canopy top with Rubberoid Roofing but do not include bell or framework for carrying it.

	Class O For Bells Weighing 1000 lbs. or less		Class A For Bells Weighing over 1000 lbs.	
Height Ft.	Weight	Price	Weight	Price
15	2041	$162.69	2837	$209.58
20	2494	210.78	3453	273.87
27	2635	226.38	3591	289.11
39	3256	294.00	4396	372.99
51	4038	380.25	5330	472.47
63	4851	466.11	6265	571.20
75	5723	558.12	7273	675.96
87	....	.....	8598	807.72

ALL WOOD TOWERS

This tower is a well framed structure, mortised and tenoned, built of dressed All Heart Long Leaf Yellow Pine with well made joints so formed that water will not collect in them. It is thoroughly tied together with heavy iron tie rods and cast iron washers and heavy cast cap plates at top of columns.

We will furnish this tower complete, or the ironwork only, or will furnish complete plans, specifications and bills of material at a nominal price.

Prices on application.

COMBINED WOOD AND IRON TOWERS

This tower was designed to overcome the objectionable features of an all wood tower and to increase the life of the wood columns and struts. It eliminates all mortises and tenons and brace seats which reduce the original strength of the structure and make places for moisture to soak in and cause the timber to rot out in a short time.

If kept well painted this tower will outlast any all wood tower at least 50 per cent.

We will furnish this tower complete or the ironwork only.

Prices on application.

TOWN WATER WORKS

The last few years has seen the stand-pipe, once used so extensively for water-works systems for small towns and villages, almost entirely discarded in favor of the elevated tank. The greater safety and efficiency of the elevated tank make it much the more economical and satisfactory. In the stand-pipe there is a pressure that is rapidly lowered with the use of the water until with half the contents gone it quickly dwindles below a safe working limit. The small diameter and great height of the stand-pipe add very much to the weight and stability it is necessary to provide to insure its safety and often result in damage from ice that does not occur with the elevated tank on account of its much larger diameter.

We construct these outfits with either Wood or Steel Tanks and contract to put the job up complete.

Some of the towns that have installed a Caldwell Tank and Tower are given below.

ALABAMA.
- Columbiana.
- Marion.
- Uniontown.

ARKANSAS.
- Forrest City.
- Warren.
- Dermott.
- Hamburg.
- Lonoke.

COLORADO.
- Eaton.

CONNECTICUT.
- Thompson.

DELAWARE.
- Frederica.

FLORIDA.
- Bartow.
- Clearwater Harbor.
- Jasper.
- Plant City.

GEORGIA.
- Baxley.
- Eastman.
- Ellaville.
- Pretoria.

ILLINOIS.
- Breese.
- Ladd.
- LaHarpe.
- Lebanon.
- Loraine.
- Mendon.
- Morrisonville.
- New Baden.
- Plymouth.
- Waynesville.
- Weldon.

INDIANA.
- Converse.
- Royal Center.

IOWA.
- Doon.
- Granville.
- Kingsley.
- Orange City.
- Remsen.
- Rock Valley.
- Sheldon.
- Vail.
- Waverly.
- Clearance.

KANSAS.
- Enterprise.
- Girard.
- Liberal.

KENTUCKY.
- Adairsville.
- Barlow.
- Shawnee Park.
- Louisville.
- Middlesborough.
- Princeton.
- Danville.

LOUISIANA.
- Bastrop.
- Mer Rouge.
- Plaquemine.
- Oak Ridge.

MAINE.
- York Beach.

MARYLAND.
- Havre de Grace.
- Blue Ridge Summit.
- Princess Anne.
- Mt. Washington.

MICHIGAN.
- Ovid.
- Sand Beach.
- Shepherd.
- Roscommon.
- Township of Hematite.

MINNESOTA.
- Hibbing.
- Virginia.
- Adrian.
- Bovey.
- Northome.

MISSISSIPPI.
- Baldwyn.
- Bolton.
- Indianola.
- Scranton.
- Shuqualak.
- Gunnison.

MISSOURI.
- Concordia.
- Excelsior Springs.
- Louisiana.

MONTANA.
- Gardiner.

NEW JERSEY.
- Allenhurst.
- Lindenwold.
- North Spring Lake.
- Pitman Grove.
- Westwood.
- Cape May Court House.
- Pitman.
- Carson's Inlet.
- Laurence Harbor.

NEW YORK.
- Barren Island.
- Haines Falls.

NEBRASKA.
- Elmwood.
- Rushville.

NEVADA.
- Reno.

NORTH CAROLINA.
- Aberdeen.
- Concord.

OHIO.
- Continental.
- Kings Mills.
- Marice City.
- Oakwood.

OKLAHOMA.
- El Reno.
- Oregon.

PENNSYLVANIA.
- Delta.
- Ephrata.
- Hillsboro.
- Linwood.
- Osborn.
- Wyalusing.
- Beaver Falls.
- Rochester.

RHODE ISLAND.
- Shawomet Beach.

SOUTH CAROLINA.
- Pelzer.

TENNESSEE.
- Brownsville.
- Collierville.
- McKenzie.
- Manchester.
- Somerville.

TEXAS.
- Llano.
- Shiner.
- Corsicana.
- Beeville.
- Cross Plains.

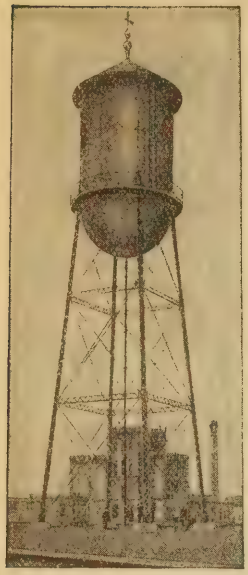
VIRGINIA.
- Cape Charles.
- Coeburn.
- Onancock.
- Waynesboro.

WEST VIRGINIA.
- Charleston.
- Farmville.
- Lewisburg.
- Ronceverte.

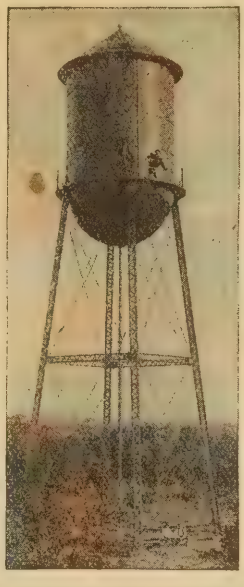
WISCONSIN.
- Monroe.
- Knight.
- Hillsboro.

Caldwell TANKS AND TOWERS

TOWN WATER WORKS



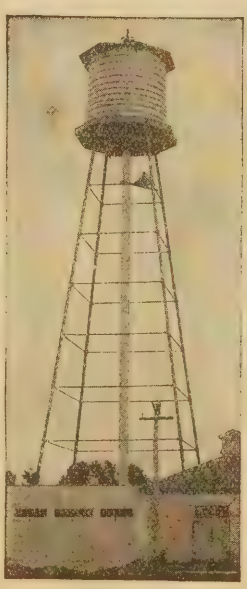
VIRGINIA, MINN.
100,000 Gals., 75 feet High



CROSS PLAINS, TEXAS
60,000 Gals., 60 Ft. High

CHEVY CHASE, MD.
40,000 Gals., 75 Ft. High

BELLAIRE, FLA.
50,000 Gals., 75 feet High

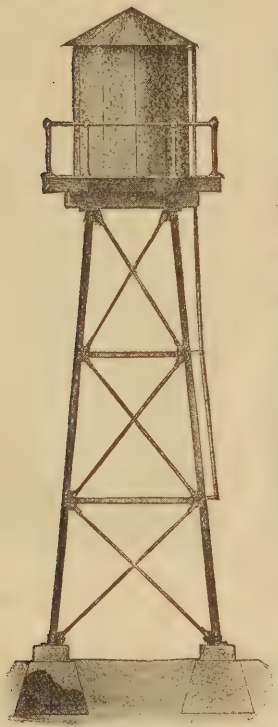


ODELL, ILL.
40,000 Gals., 100 Ft. High

OVID, MICH.
65,000 Gals., 63 Ft. High

SMALL WATER WORKS TOWERS AND TANKS

Galvanized Tank with Angle Column Steel Tower
Furnished Painted or Galvanized



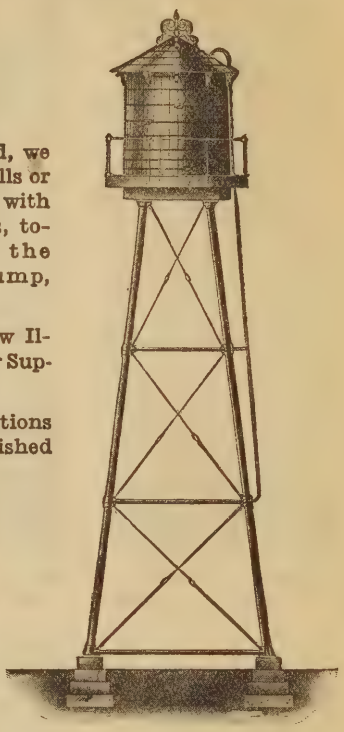
1,000 Gallon Galvanized Tank 32 ft. Galvanized Tower.

When desired, we supply Windmills or Gas Engines with these outfits, together with the necessary Pump, Piping, etc.

Write for new Illustrated Water Supply Catalogue.

See Illustrations of Outfits Furnished on Page 44.

Cypress Tank with Our Patent Tubular Column Steel Tower
Furnished Painted



3,000 Gallon Cypress Tank 39 ft. Tower.

These outfits are attractive in appearance and very substantial in construction. They are designed along such simple lines that any local mechanic can easily erect them. We quote either knocked down or erected, however, as preferred.

We also furnish these outfits with the riser pipe and frost proofing material for both it and the tank, where this is required.

We also furnish plain heavy Steel Tanks with either of these towers.

These are both popular size outfits for Country Home Water Works Systems. If you are uncertain about what you need, state the conditions and we will help you decide.

Angle Column Towers are furnished with tanks of 1,000 to 20,000 gallons.

Tubular Column Towers are furnished with tanks of 1,000 to 30,000 gallons.

We supply either tower without Hand Railing or Ladder if so desired.

Detailed plans are supplied for putting in the foundations and for the erection. We quote for the erection, too, if desired.

Prices of Angle Column Towers are given on Page 35.

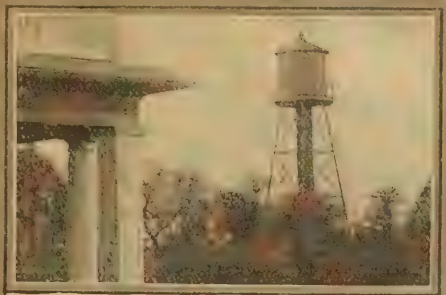
See Pages 37 and 38 for prices of Tubular Column Towers.

Prices of Towers do not include the Tank, Cover and other articles which are listed elsewhere. See Index.

Get our new "Water Works for Country Homes" Catalogue

Caldwell TANKS AND TOWERS

SMALL WATER WORKS TANKS AND TOWERS



MOHAWK GOLF CLUB, Schenectady, N. Y.
39-foot Tubular Tower and 10,000-gal. Cypress Tank.

J. W. THORNE, Lake Forest, Ill.
51' Tub. Tower & 15,000-gal. Cypress Tank

EDGAR P. SAWYER, Oshkosh, Wis.
20,000-gallon Hemispherical Bottom Steel Tank and 47-foot Latticed Tower.

OWOSCO COUNTRY CLUB, Auburn, N. Y.
27-foot Tubular Tower and 1,500-gal. Cypress Tank

POLAND SPRINGS HOTEL, South Poland, Me.
27-foot Tubular Tower and 30,000-gal. Steel Tank

W. B. HALE, Forest Lawn, N.Y.
39-foot Tubular Tower and 5,000-gallon Cypress Tank.

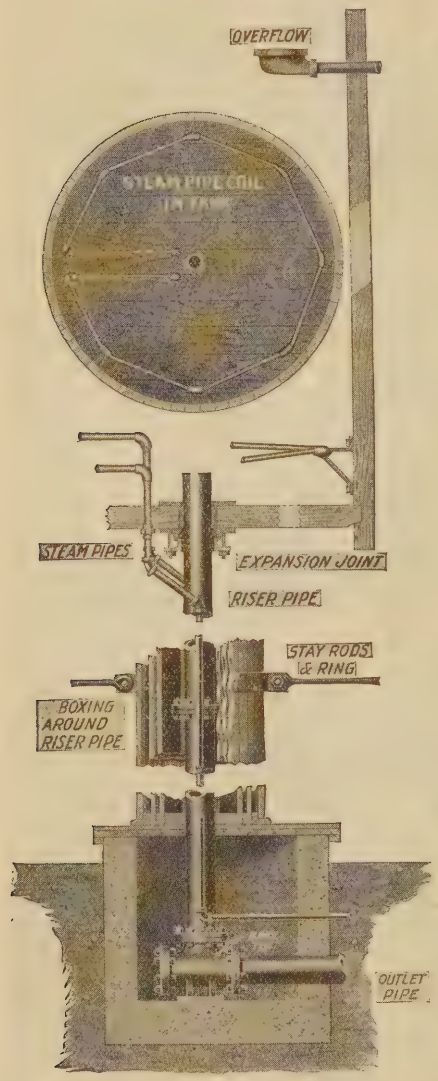
Caldwell
TANKS AND TOWERS

RISER PIPES

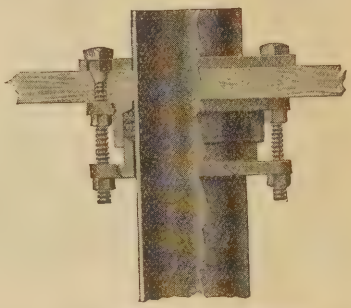
PRICES ON PAGE 46

CAST IRON FLANGED RISER PIPE

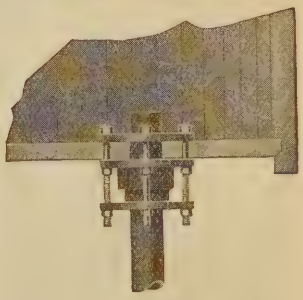
With Steam Coil in Tank

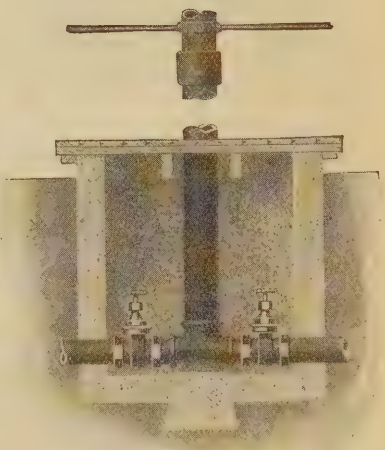


COMBINED EXPANSION JOINT AND PIPE CONNECTION



STEEL RISER PIPE





NOTE:—One pipe is generally used for inlet and outlet

Caldwell TANKS AND TOWERS

ACCESSORIES

PRICES ON PAGE 46

CIRCULAR FROST BOXING

SQUARE FROST BOXING

PIPE FLANGE

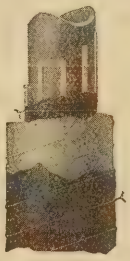
Furnished with Bolts Nuts, Washers and Rubber Gaskets

TANK OUTLET VALVE

See opposite page for prices which include a companion flange to match.

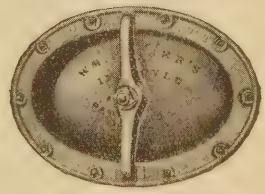
OUTLET VALVE WITH EXTENDED STEM AND HAND WHEEL

PIPE COVERING



One Inch thick layer of Hair Felt, wired around wood strips.

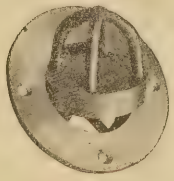
MANHOLE DOORS



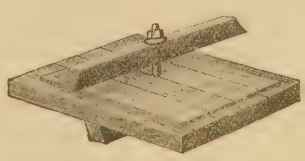
Cast Iron Manhole Door. Prices on application.

Prices on Application

BRASS TAPERED OUTLET AND PLUG FOR DYE TUBS



Prices on Application



Wood Manhole Door, with either Iron or Brass Bolts. Prices on application.

Caldwell TANKS AND TOWERS

PRICES OF PIPING AND ACCESSORIES

As Illustrated on Two Previous Pages

PRICES OF RISER PIPES

Steel and Cast Iron Flanged

Height	2" Steel		2½" Steel		3" Steel		4" Steel		6" Steel		6" Cast Iron		8" Steel		8" Cast Iron	
	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price
12′	92	16.32	136	21.90	167	23.73	235	35.58	483	60.84	704	80.57	822	120.83	1027	121.46
15′	104	17.85	157	24.32	200	27.89	280	41.42	570	75.21	778	92.34	954	140.13	1180	137.33
20′	125	20.43	191	28.38	255	34.82	356	51.15	713	96.44	962	112.01	1173	170.66	1434	164.25
22′	133	21.32	203	29.81	271	37.13	380	53.82	755	101.09	1024	118.49	1234	179.04	1520	173.10
25′	145	22.65	221	31.94	295	40.59	416	59.16	818	108.66	1117	128.06	1327	191.61	1709	186.36
27′	152	23.57	235	33.30	312	42.93	438	60.47	858	112.71	1180	134.61	1389	199.95	1734	195.21
30′	164	25.01	253	35.67	339	45.90	477	65.21	930	121.13	1282	145.16	1447	214.91	1872	209.60
32′	172	25.95	265	37.19	357	47.88	503	68.38	978	126.74	1350	152.19	1569	224.87	1964	219.30
35′	184	27.39	283	39.47	384	50.85	542	73.14	1057	135.15	1452	162.74	1677	239.82	2122	233.75
39′	202	29.27	313	42.41	425	54.78	598	79.53	1146	146.30	1583	176.90	1824	259.79	2287	253.05
40′	210	30.39	323	43.85	438	56.46	616	81.90	1173	149.78	1623	181.38	1864	265.55	2339	259.17
42′	220	32.64	343	46.71	464	59.84	652	86.61	1227	156.74	1703	190.35	1944	277.07	2443	271.41
45′	250	36.00	373	50.99	503	64.88	706	93.69	1308	167.19	1823	203.82	2064	294.33	2599	289.79
50′	290	41.61	423	58.20	568	73.29	796	105.50	1443	184.59	2023	226.26	2264	323.13	2859	320.39
51′	299	42.77	439	59.57	577	74.99	816	107.85	1474	188.07	2060	230.72	2301	328.86	2936	326.58
55′	315	43.29	463	60.62	613	77.55	868	110.69	1570	193.10	2196	244.83	2445	337.97	3120	345.86
60′	335	43.95	493	61.97	658	80.78	933	114.24	1690	199.37	2366	262.49	2625	349.35	3350	369.95
62′	343	44.22	505	62.48	676	82.07	959	115.65	1738	201.87	2434	269.55	2697	353.90	3442	379.58
63′	348	44.42	517	62.84	690	82.34	974	116.36	1760	203.16	2464	273.02	2735	356.25	3490	384.42
65′	358	45.44	531	64.38	710	83.22	1002	119.43	1810	208.44	2532	280.22	2809	365.55	3584	393.66
70′	383	48.00	566	68.27	760	88.76	1072	127.11	1935	221.64	2702	298.20	2994	388.82	3819	416.76
75′	409	50.66	605	72.18	812	94.35	1141	134.72	2057	234.90	2875	316.19	3177	412.05	4051	439.77
80′	459	56.69	665	79.52	927	103.10	1241	146.34	2202	251.49	3083	339.45	3382	439.28	4331	472.52
85′	509	62.70	725	86.87	1042	111.84	1341	158.00	2347	268.07	3295	362.72	3587	466.50	4611	505.28
87′	526	65.07	753	89.87	1084	115.31	1380	162.63	2408	274.67	3375	371.96	3673	477.39	4718	518.45
90′	535	66.27	771	91.74	1153	118.04	1416	166.44	2480	282.20	3468	381.71	3775	490.05	4847	531.81
100′	574	70.29	831	98.15	1383	127.19	1538	179.10	2716	307.37	3774	414.23	4109	532.26	5271	576.32

PRICES OF BOXING

Height	1½"-2"-2½"				3" and 4"				6"				8"			
	Double Square		Triple Square		Double Square		Triple Square		Double Circular		Triple Circular		Double Circular		Triple Circular	
	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price	Wt.	List Price
12′	482	18.30	758	29.07	647	25.62	1039	39.18	596	22.11	1032	37.50	726	23.43	1161	42.84
15′	567	21.60	910	34.38	748	28.65	1228	46.74	781	29.13	1363	47.22	896	33.24	1436	52.08
20′	714	27.18	1150	44.76	943	35.94	1543	59.37	924	34.47	1608	58.74	1094	40.71	1745	64.08
22′	774	29.40	1248	47.88	1017	38.52	1667	66.75	1006	37.56	1752	64.05	1186	45.03	1891	69.39
25′	864	32.58	1395	52.56	1128	42.39	1853	77.82	1129	42.20	1968	71.87	1324	51.51	2110	77.36
27′	919	34.95	1494	55.68	1203	44.97	1980	85.20	1210	45.33	2114	77.31	1414	55.83	2259	82.71
30′	1009	38.28	1638	61.04	1317	49.47	2160	89.61	1315	49.29	2303	84.42	1543	59.61	2463	90.23
32′	1069	40.50	1734	64.61	1393	52.47	2295	92.55	1385	51.93	2429	89.16	1629	62.13	2599	95.24
35′	1159	43.83	1878	69.96	1507	56.97	2484	96.96	1490	55.80	2618	96.27	1753	65.91	2803	102.75
39′	1271	48.24	2068	77.01	1658	63.09	2733	102.90	1632	61.08	2866	105.75	1933	70.95	3080	112.68
40′	1300	49.32	2116	78.78	1696	64.43	2796	105.24	1667	62.39	2937	107.93	1976	72.53	3149	115.19
42′	1358	51.48	2212	82.32	1772	67.28	2922	109.92	1737	65.00	3079	112.28	2062	75.68	3287	120.20
45′	1445	54.72	2356	87.63	1886	71.55	3111	116.94	1842	68.91	3292	118.80	2191	80.40	3494	127.71
50′	1590	60.12	2596	96.48	2076	78.68	3426	128.64	2017	75.44	3647	129.68	2406	88.28	3839	140.24
51′	1620	61.20	2643	98.25	2113	80.13	3486	131.01	2053	76.71	3718	131.82	2452	89.85	3905	142.68
55′	1740	65.76	2835	105.33	2265	85.89	3738	140.37	2193	82.11	3934	141.36	2624	96.09	4177	152.70
60′	1890	71.46	3075	114.18	2455	93.09	3933	152.07	2368	88.86	4204	153.29	2839	103.89	4517	165.23
62′	1950	73.74	3171	117.72	2531	95.97	4179	156.75	2438	91.56	4312	158.06	2925	107.01	4653	170.24
63′	1975	74.88	3218	119.55	2568	97.35	4236	159.12	2476	92.85	4370	160.44	2971	108.51	4725	172.68
65′	2033	77.10	3314	123.06	2644	100.20	4362	163.83	2546	94.77	4496	164.76	3057	111.66	4863	177.69
70′	2178	82.65	3554	131.84	2834	107.33	4677	175.61	2721	99.57	4811	175.56	3272	119.46	5208	190.22
75′	2327	88.26	3793	140.67	3023	114.54	4991	187.29	2898	104.43	5121	186.39	3489	127.44	5548	202.65
80′	....	....	....	.....	3213	121.07	5306	198.99	3073	113.31	5436	197.87	3704	135.47	5888	215.25
85′	....	....	....	.....	3403	127.59	5621	210.69	3248	120.18	5751	209.34	3919	143.49	6228	227.85
87′	....	....	....	.....	3478	131.76	5743	215.40	3319	123.39	5873	213.96	4009	146.67	6368	232.83
90′	....	....	....	.....	3583	135.45	5917	221.93	3415	126.99	6047	220.13	4129	151.04	6575	239.67
100′	....	....	....	.....	3933	147.81	6496	243.66	3741	139.08	6625	240.72	4528	165.63	7191	262.50

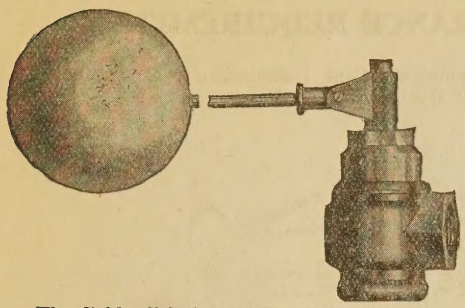
Always state if tank is wood or steel and thickness of tank bottom. Prices of 10" and 12" on application.

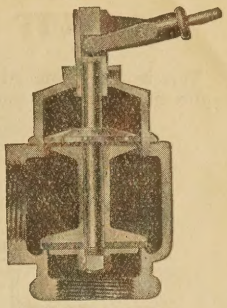
PRICES OF ACCESSORIES

Size	Pipe Covering Per Foot		Expansion Joints		Pipe Flanges		Tank Outlet Valves and Companion Flange	
	Wt.	Price	Wt.	Price	Wt.	Price	Wt.	Price
2"	13	$1.05	16	$ 7.35	6	$2.40	9	$10.41
2½"	15	1.20	20	8.40	6½	3.00	15	13.02
3"	17	1.35	18	10.50	7	3.60	24	15.60
3½"	..	....	22	14.70	9	4.20	..	....
4"	20	1.50	28	18.90	12½	4.80	32	20.76
5"	..	....	40	39.90	14½	6.00	59	26.01
6"	..	....	55	47.25	18	7.20	82	31.20
8"	..	....	95	105.00	27	9.60	122	45.60

Prices of other sizes on application.

CALDWELL BALANCED FLOAT VALVE





The Caldwell Balanced Float Valve gives very reliable service. It is used on any tank or reservoir where a constant level of the liquid must be maintained.

Its design is simple and the balanced feature causes it to open and close easily and positively without having to have an excessively large ball as the float does not have to work against the pressure of the water.

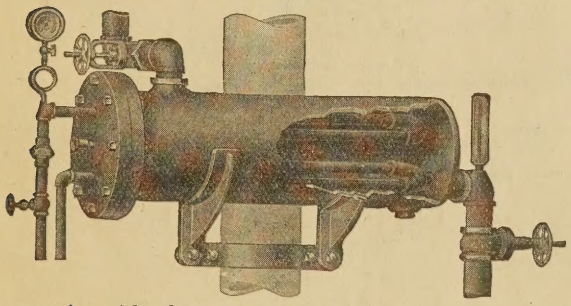
The valve is rubber and upper packing is leather for cold water and hydraulic packing for hot. The body and spool are iron—other parts being of brass.

In ordering state whether cold or hot water is to be used.

LIST PRICES

¾ and 1-inch	$12.00
1¼-inch	14.00
1½-inch	16.00
2 -inch	22.00
2½-inch	26.00
3 -inch	34.00
4 -inch	56.00

CALDWELL TANK HEATERS



The use of a Tank Heater is by far the best method of supplying heat to a wood or steel tank to prevent freezing.

They are intended to be used with ten pounds steam pressure, but in cases where steam is not available a hot water heater burning coal or gas can be used in connection with a larger size tank heater.

The brass steam coil inside heats the water which rises through the heater pipe into the tank and is replaced by cold water from the riser pipe. This circulation prevents the riser from freezing.

The Tank Heater is usually set in a pit under the tower or in the top floor when the tank rests on a building and is hung on the riser pipe.

Size Heater	Maximum Capacity	Size Water Pipes	Size Steam Pipe	Price, Complete
No. 1	25,000 gallons, Wood Tank	2″	¾″ and 1″	$120.00
No. 2	55,000 gallons, Wood Tank	2″	¾″ and 1″	150.00
No. 3	25,000 gallons, Steel Tank	2″	1″ and 1″	255.00
No. 4	55,000 gallons, Steel Tank	2″	1¼″ and 1¼″	360.00

Two No. 3 Heaters are good for 80,000 gallons, Steel Tank.

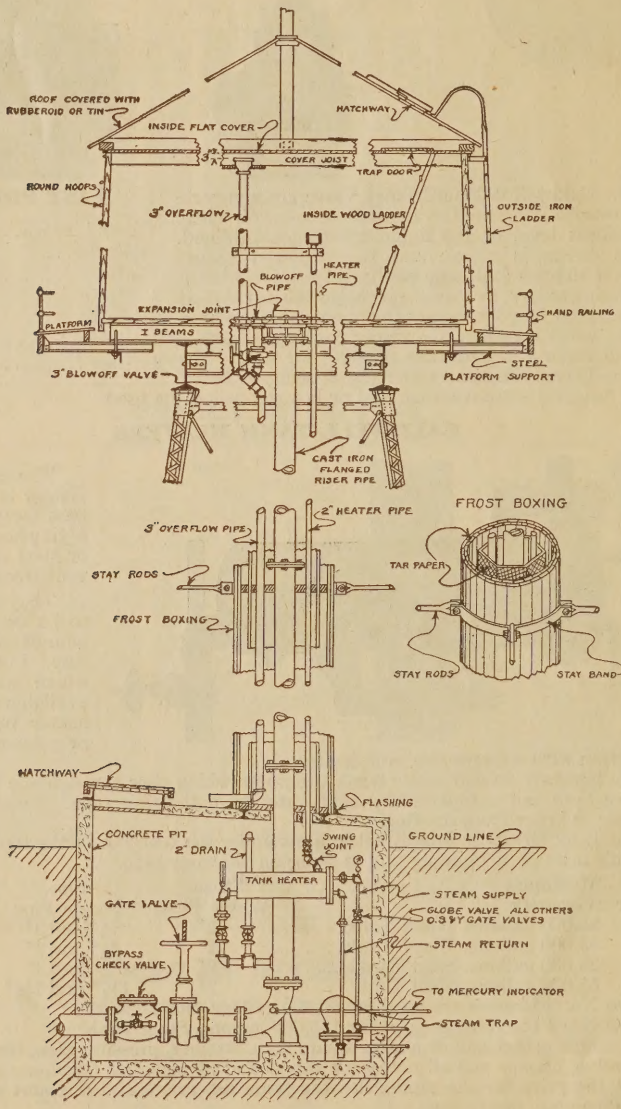
Two No. 4 Heaters are good for 150,000 gallons, Steel Tank.

These list prices include a large steam trap, strainer, pressure gage, thermometer, relief valve, clamps and all necessary valves and fittings, but no piping is included. To get the price for the piping use the same list prices and discount as for 2½″ Riser Pipe on opposite page.

Caldwell TANKS AND TOWERS

GRAVITY TANK ON TOWER
TO SUIT INSURANCE REQUIREMENTS

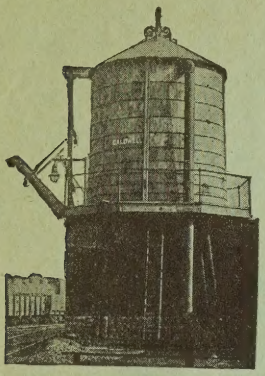
This is the Standard Arrangement for Tank Installation to comply with the requirements of the Assoc. Factory Mutual Fire Ins. Cos.



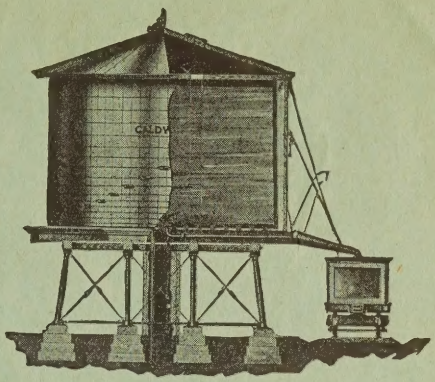
Caldwell TANKS AND TOWERS

RAILROAD TANK FIXTURES

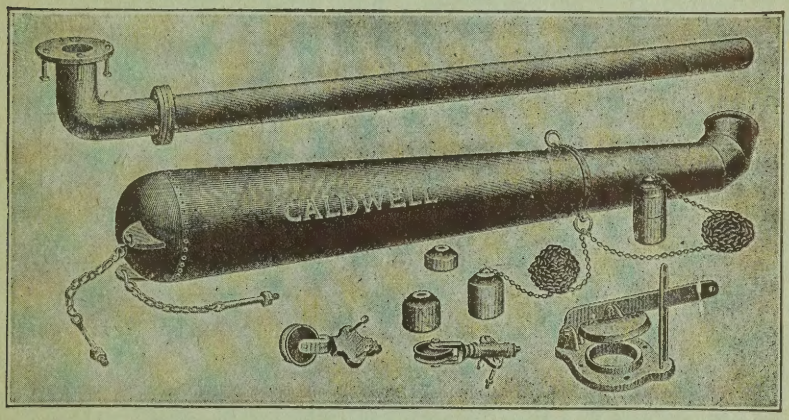
Improved Valve, Outlet Pipe, Galvanized Spout and Fixtures



Anheuser-Busch Brewing Co.
St. Louis, Mo.



Standard Railroad Tank Outfit



The above cut represents our Improved Tank Fixtures which are strictly frost proof. We furnish these in five sizes: 4, 6, 7, 8 and 10 inch.

PRICES FOR COMPLETE FIXTURES

as shown above and including Triangle

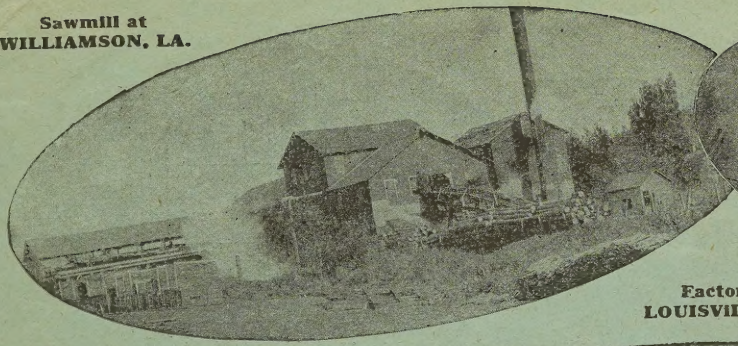
	4 In.	6 In.	7 In.	8 In.	10 In.
Fixtures for 10 to 14 ft. diameter Tank	$105.96	$144.00	$170.01	.....	.....
" " 16 " "	125.97	154.02	180.00	$216.00	$298.02
" " 20 " "	.....	164.01	190.02	226.02	318.00
" " 24 " "	.....	174.00	200.01	236.01	338.01
" " 30 " "	.....	195.00	215.01	256.02	368.01

Write for discounts and freight rates or state outside bottom diameter and outside height of tank, distance from center of track to center of tank and we will quote net delivered prices.

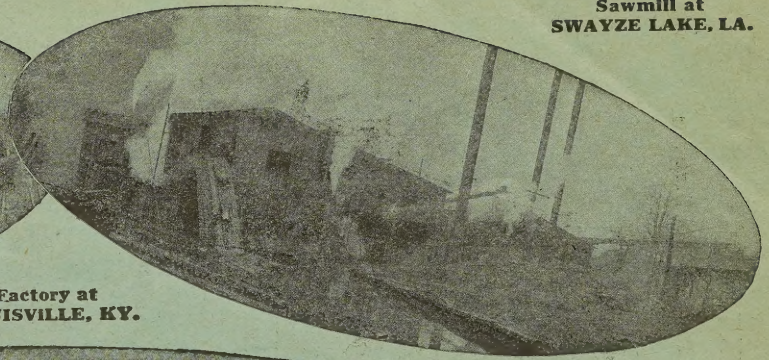
Caldwell TANKS AND TOWERS

AVERY LIBRARY
COLUMBIA UNIVERSITY

Sawmill at
WILLIAMSON, LA.



Sawmill at
SWAYZE LAKE, LA.



Factory at
LOUISVILLE, KY.